

AIR FORCE OCCUPATIONAL MEASUREMENT CENTER RANDOLPH AFB TX F/G 5/9
MISSILE LIQUID PROPELLANT SYSTEMS MAINTENANCE. AFS 445X1.(U)
JUN 81

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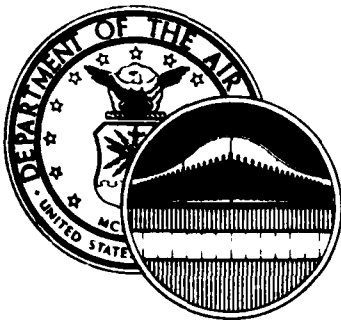
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UNITED STATES AIR FORCE

OCCUPATIONAL SURVEY REPORT



MISSILE LIQUID PROPELLANT
SYSTEMS MAINTENANCE.

AFS 445X1.

AFPT-90-445-452

JUN 81

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OCCUPATIONAL ANALYSIS PROGRAM
USAF OCCUPATIONAL MEASUREMENT CENTER
AIR TRAINING COMMAND
RANDOLPH AFB, TEXAS 78148

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PREFACE

This report presents the results of a special Air Force Occupational Survey of the Missile Liquid Propellant Systems Maintenance (AFS 445X1) specialty. The report was prepared for the Titan Training Review Board in response to their request for occupational data inputs for the 445X1 Specialty Training Standard (STS) and Plan of Instruction (POI) for the 3ABR course. Authority for conducting occupational surveys is contained in AFR 35-2.

The Air Force occupational analysis program has been in existence since 1956 when initial research was undertaken by the Air Force Human Resources Laboratory (AFHRL) to develop a methodology for gathering and analyzing occupational information. In 1967, an operational occupational survey program was established within the Air Training Command and surveys were produced annually for 12 enlisted specialties. In 1972, the program was expanded to conduct occupational surveys covering 51 career ladders annually. In late 1976, the program was again expanded to include the survey of officer utilization fields, to permit special management applications projects, and to support interservice or joint service occupational analyses.

The survey instrument used in the present project was developed by Chief Master Sergeant Robert Wing, Inventory Development Specialist. First Lieutenant Gordon Curphy analyzed the survey data and wrote the final report. This report has been reviewed and approved by Lieutenant Colonel Jimmy L. Mitchell, Chief, Airman Career Ladders Analysis Section, Occupational Analysis Branch, USAF Occupational Measurement Center, Randolph AFB, Texas 78150.

Copies of this report are available to air staff sections, major commands, and other interested training and management personnel upon request to the USAF Occupational Measurement Center, attention to the Chief, Occupational Analysis Program (OMY), Randolph AFB, Texas 78150.

This report has been reviewed and is approved.

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OCCUPATIONAL SURVEY REPORT
MISSILE LIQUID PROPELLANT SYSTEMS MAINTENANCE
(AFS 445X1)

INTRODUCTION

This is a report of a special Training Emphasis survey of the Missile Liquid Propellant Systems Maintenance career ladder, (AFS 445X1) completed by the Occupational Analysis Branch, USAF Occupational Measurement Center, in May 1981. A previous survey of the 445X1 career ladder was published in 1975.

The basic job of 445X1 personnel, as described by AFR 39-1, is to operate, maintain, inspect, repair, and modify missile liquid fuel and oxidizer fixed systems, mobile Aerospace Ground Equipment (AGE) and protective clothing and related support equipment. Generally, this includes servicing missiles on site (propellant transfer) and cleaning or decontaminating missile or servicing components. In order to properly perform these services, all personnel in this career ladder must attend the basic Missile Liquid Propellant Systems Maintenance course taught at Sheppard AFB TX. This course is both maintenance and operator oriented and is approximately 25 weeks in length, with approximately 80 incumbents a year entering the Missile Liquid Propellant Systems Maintenance career ladder.

Due to the relatively small number of Titan missiles, Missile Liquid Propellant Systems Maintenance personnel are primarily assigned to three Air Force bases, which include Davis-Monthan AFB AZ, McConnell AFB KS, and Little Rock AFB AK. However, somewhat smaller numbers of 445X1 personnel can be found at the launch facility at Vandenberg AFB CA and at the resident technical school located at Sheppard AFB TX. With the exception of the 445X1 personnel at Sheppard AFB TX, the remainder are primarily assigned to SAC.

Objectives

The current project was requested by the Titan Training Review Board in order to provide occupational data inputs for the 445X1 STS and POI for the 3ABR course. Topics discussed in this report include: (1) survey methodology; (2) 445X1 STS matched with occupational survey data; (3) 3ABR44531 POI matched with occupational survey data; and a listing of tasks in descending order of training emphasis.

SURVEY METHODOLOGY

Inventory Development

The data collection instrument for the Training Emphasis ratings found in this special survey was USAF Job Inventory AFPT 90-445-452. As a starting point, tasks from the previous 546X0/546X0F (the 546X0F career

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ladder was converted to AFSC 445X1 in April 1980) inventory were reviewed for inclusion in a new 445X1 task list. A tentative task list was then formulated which included useable tasks from the prior inventory as well as new tasks obtained from a thorough research of current specialty publications and directives. This tentative task list was then taken out to the field to be validated by subject matter specialists working at McConnell AFB KS and Little Rock AFB AK. From this review process, a final training emphasis inventory was developed consisting of 386 tasks grouped under 12 duty headings.

Survey Administration

During the period December 1980 to February 1981, training emphasis inventories were administered to 36 DAFSC 44571 personnel at operational units in the CONUS by local consolidated base personnel offices. Personnel were selected from Uniform Airman Record (UAR) data tapes generated by the Air Force Manpower and Personnel Center (AFMPC) and maintained by the Air Force Human Resources Laboratory (AFHRL).

Individuals completing training emphasis inventories were asked to rate all of the tasks on a ten-point scale from no training required to extremely heavy training. Training emphasis is a rating of tasks indicating where emphasis should be placed on structured training for first-term personnel. Structured training is defined as training provided at resident technical schools, Field Training Detachments (FTD), Mobile Training Teams (MTT), formal OJT, or any other organized training method. The training emphasis data were solicited from experienced 7- or 9- skill level personnel from all five operating locations (see Table 1 for rater distribution). The interrater reliability (as assessed through components of variance of standard group means) for these raters was good (.90), which indicates a high degree of agreement among raters as to which tasks need to be trained and which tasks do not. Tasks rated by the 36 Missile Liquid Propellant Systems Maintenance personnel had an average training emphasis rating of 3.5 and a standard deviation of 1.5.

When used in conjunction with other factors, such as percent members performing, the training emphasis ratings can provide insight into the training requirements of a specialty. This may help validate the lengthening or shortening of specific units of instruction to refine various training programs.

TABLE 1

BASE DISTRIBUTION FOR TRAINING EMPHASIS RATERS

<u>BASE</u>	<u>NUMBER SAMPLED</u>	<u>PERCENT OF SAMPLE</u>
LITTLE ROCK AFB	9	25%
McCONNELL AFB	9	25%
DAVIS-MONTHAN AFB	8	22%
SHEPPARD AFB	7	19%
VANDENBERG AFB	<u>3</u>	<u>9%</u>
TOTAL	36	100%

TRAINING ANALYSIS

Once the tasks and their respective training emphasis ratings were entered into the computer, computer generated programs using Comprehensive Occupational Data Analysis Program (CODAP) techniques were applied. Three types of computer runs were generated and can be found in Appendices A, B, and C at the back of this report. One computer run matches inventory tasks with STS paragraphs, and also provides training emphasis ratings for the tasks. Another run matches inventory tasks with POI criterion objectives, along with respective task training emphasis ratings. The final run rank orders the inventory tasks in descending order of training emphasis.

However, in order to provide additional task information in conjunction with the training emphasis ratings, computer runs from the 1975 546X0F study were also obtained. These 546X0F runs provided the percentages of various skill level and TAFMS groups performing most of the tasks found in the 1980 training emphasis inventory. The analyst transcribed the 1975 percent members performing data to the STS, POI, and descending order of training emphasis computer runs described earlier.

445X1 Specialty Training Standard

The 445X1 Specialty Training Standard (STS) dated May 1980, was reviewed for first job (1-24 months TAFMS), first term (1-48 months TAFMS), and 5- and 7-skill level personnel. Subject matter specialists at the Sheppard Technical Training Center assisted in the analysis by matching job inventory tasks to specific paragraphs and subparagraphs in the STS. Paragraphs which required specific task knowledge and task performance criteria were examined with matched job inventory tasks and training emphasis and percent members performing information to determine whether the paragraph actually belongs in the STS. Specific comments concerning the STS can be found in Appendix A, which is the STS computer run. Generally, the 445X1 STS was found to give a broad and concise overview of the career ladder, but some paragraphs may need to be added.

3ABR44531 Plan of Instruction (POI)

The Plan of Instruction (POI) for course 3ABR44531, dated December 1980, was also reviewed for first job (1-24 months TAFMS) and first-term (1-48 months TAFMS) groups. As with the STS, subject matter specialists at the Sheppard Technical Training Center also assisted in the analysis by matching training emphasis inventory tasks to specific criterion objectives in the 3ABR44531 POI. In addition, each criterion objective was examined based on percent members performing and training emphasis vectors to determine if the survey data supports the basic 44531 course. Some discrepancies were noted, and can be found in Appendix B of this report.

Training Emphasis

In addition to the STS and POI computer runs, another printout which rank orders the tasks by descending order of training emphasis is also included in this report (Appendix C). This rank ordering can provide additional insight for technical school personnel as to which tasks experienced personnel in the field perceive to need the most training. In addition, the percent of first job and first term personnel performing these tasks is presented along with the training emphasis ratings.

APPENDIX A

STS 005X1, MISSILE LIQUID PROP MAINTENANCE (DATED MAY 1980), IS PRESENTED BELOW WITH MATCHED JOB INVENTORY TASKS AND OCCUPATIONAL SURVEY DATA.

USE OF STS FACPR1 PRINTOUTS: STS ITEMS ARE LISTED BETWEEN THE DOTTED LINES, WITH MATCHED TASKS LISTED BELOW AND SURVEY DATA PRINTED TO THE RIGHT OF EACH TASK. THESE DATA CAN BE USED TO VALIDATE STS CONTENT AND CODE LEVELS AT UTILIZATION AND TRAINING WORKSHOPS. JOB INVENTORY TASKS TO BE EMPHASIZED WITHIN EACH STS AREA CAN ALSO BE IDENTIFIED USING THIS PRINTOUT. IN ADDITION, TASKS WHICH WERE NOT MATCHED WITH STS ITEMS ARE LISTED IN THE "TASKS NOT REFERENCED" SECTION IN DESCENDING ORDER OF FIRST-YEAR TRAINING EMPHASIS RATINGS. THESE TASKS CAN BE USED TO IDENTIFY NEW AREAS WHICH MAY WARRANT INCLUSION IN FUTURE STS'S. FOR A MORE DETAILED EXPLANATION OF TRAINING EMPHASIS AND TASK DIFFICULTY RATINGS, PLEASE CALL USAFOMC/OMVO AT AUTOVON 487-8011.

VECTOR TYPE CODES:

- (T) = 1 TIME SPENT BY ALL MEMBERS
- (M) = 2 MEMBERS PERFORMING
- (F) = TASK FACTOR
- (D) = DICHOTOMOUS SET
- (B) = 3 TIME SPENT BY MEMBERS PERFORMING
- (-1) = PROGRAM GENERATED VECTOR

NO TYPE VECTOR /MEMBERS/ MEAN - SD DESCRIPTION

1 D THGENP 3.52 1.52 AFSC 005X1 TRAINING EMPHASIS RATINGS

PCPRT1
 STS 445X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

STS 445X1, MISSILE LIQUID PROP MAINTENANCE (DATED MAY 1980), IS PRESENTED BELOW WITH MATCHED JOB INVENTORY TASKS AND OCCUPATIONAL SURVEY DATA.

USE OF STS FACDPT PRINTOUTS: STS ITEMS ARE LISTED BETWEEN THE DOTTED LINES, WITH MATCHED TASKS LISTED BELOW AND SURVEY DATA PRINTED TO THE RIGHT OF EACH TASK. THESE DATA CAN BE USED TO VALIDATE STS CONTENT AND CODE LEVELS AT UTILIZATION AND TRAINING WORKSHOPS. JOB INVENTORY TASKS TO BE EMPHASIZED WITHIN EACH STS AREA CAN ALSO BE IDENTIFIED USING THIS PRINTOUT. IN ADDITION, TASKS WHICH WERE NOT MATCHED WITH STS ITEMS ARE LISTED IN THE "TASKS NOT REFERENCED" SECTION IN DESCENDING ORDER OF FIRST-TERM TRAINING EMPHASIS RATING. THESE TASKS CAN BE USED TO IDENTIFY NEW AREAS WHICH MAY WARRANT INCLUSION IN FUTURE STS'S. FOR A MORE DETAILED EXPLANATION OF TRAINING EMPHASIS AND TASK DIFFICULTY RATINGS, PLEASE CALL USAFOMZ0010 AT AUTOVON 487-5811.

Percentage of first job, first enlistment, and 5- and 7-skill level personnel from the 1975 study performing each task

1ST JOB (1-24 MOS) 1ST ENL (1-48 MOS) 445X1 44571

ING
 EMP
 0

D TSK TITLES

001 STS 445X1

002 (FOR AFSCS 44531/51/71)

003 MAY 1980

004 1. CAREER LADDER PROGRESSION

005 2. SECURITY

006 3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM

007 3A. HAZARDS OF AFSC 445X1

A task designated with a "1" is new to the 1980 PL inventory, and no equivalent task in the 1975 inventory could be found. The "1" means no percent members performing data could be provided.

2

STA 44821 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPRT1

Q TASK	TITLES	TNG	EMP	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
Q08	38. INTERPRETATION OF COLOR CODES AND MARKINGS FOR LINES AND FITTINGS						
Q09	39. FIRE PREVENTION AND FIRE CONTROL EQUIPMENT						
Q10	30. COMPLY WITH REGULATIONS AND PROCEDURES FOR ACCIDENT PREVENTION/MISSILE SAFETY/NUCLEAR SAFETY						
Q11	3E. REPORT HAZARDS						
Q12	3F. EMERGENCY FIRST AID						
Q13	4. PUBLICATIONS						
A	7 POST CHANGES TO TECHNICAL ORDERS	3.66					
A	22 PREPARE TECHNICAL ORDER SYSTEM PUBLICATION IMPROVEMENT REPORT AND REPLY FORMS (AFTO FORM 22)	2.91	10	12	20	60	
A	18 PREPARE SAC CE MANUAL ICDM RPIE IMPROVEMENT REPORT FORMS (SAC FORM 86)	1.72	0	21	6	20	
Q14	5. SUPERVISION AND TRAINING						
Q15	5A. SUPERVISION						
Q16	5B. TRAINING						

4

STL 955X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

PCPRT1

D TSK	TITLES	INS EMP #00	1ST JOB (1-26 MOS)	JST ENL (1-48 MOS)	4455L	4457L
017	6. MAINTENANCE MANAGEMENT AND FORMS					
A 13	PREPARE MAINTENANCE DATA COLLECTION RECORD FORMS (AFIO FORM 309)	5.69	34	32	50	65
A 16	PREPARE REPAIRABLE ITEM PROCESSING TAB FORMS (AFIO FORM 350)	5.19	41	47	38	65
018	7. TOOLS AND EQUIPMENT					
019	7A. USE HANDTOOLS					
020	7B. USE SPECIAL TOOLS AND EQUIPMENT					
021	7C. SAFETY WHEN MISCELLANEOUS HARDWARE SUCH AS SCREWS, NUTS, BOLTS, CLAMPS, CAPS, AND FITTINGS					
022	7D. USE MULTIMETERS TO CHECK					
023	8.200 CHECK AND CABLE RESISTANCE ON MOBILE AEROSPACE GROUND EQUIPMENT (AFM)	5.16				
W 186	CHANGE RADIO TRANSMITTER BATTERIES	3.50	37	42	44	25
023	8.401 PORTABLE C-BAPO DETECTOR VOLTAGE					
024	7D(12) PORTABLE RADIO TRANSMITTER BATTERY VOLTAGE					
025	7D(13) ENVIRONMENTAL CONTROLS UNIT TESTER BATTERY VOLTAGE					

SIS 9058A MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPR74

TNG
EMP
+0*

1ST JOB
(1-24 MOS)

1ST ENL
(1-48 MOS)

44551

44571

O TSM

TITLES

026 70(4) RESISTANCE TO GROUND ON MOBILE AEROSPACE GROUND
EQUIPMENT

027 8- LOW-25C PROTECTIVE CLOTHING AND EQUIPMENT

028 9A. USE OF PROTECTIVE CLOTHING AND EQUIPMENT

M 245 TRAIN PERSONNEL ON USE AND OPERATION OF PROTECTIVE
EQUIPMENT

K 363 OPERATIONALLY INSPECT SAFETY EQUIPMENT

029 8B. ROCKET FUEL HANDLER'S CLOTHING OUTFIT (RFHCO) AND
ACCESSORIES

J 280 DON OR TAKE OFF RFHCO SUITS

M 267 VISUALLY INSPECT RFHCO'S

M 263 SET UP RFHCO'S FOR DOWNING

M 184 ASSIST PERSONNEL IN DOWNING OR TAKING OFF ROCKET FUEL
HANDLER CLOTHING OUTFITS (RFHCO)

M 190 CLEAN RFHCO'S

M 264 TEST RFHCO HELMET COMMUNICATION SYSTEMS

M 206 LEAK TEST RFHCO'S

M 183 APPLY BUTYL TO SCUFFED AREAS

M 212 PATCH RFHCO TORSO ASSEMBLIES

M 220 PREPARE BUTYL ADHESIVES

M 193 DISASSEMBLE OR REASSEMBLE RFHCO HELMETS

M 207 LUBRICATE RFHCO ZIPPERS OR SEALS

M 233 REMOVE OR REPLACE COMMUNICATION HARNESSSES

M 210 PACK RFHCO FOR SHIPMENT

M 244 REMOVE OR REPLACE HELMET SEALS

M 259 REMOVE OR REPLACE ROLL DOWN CUFFS

M 245 REMOVE OR REPLACE HELMET VISORS

M 258 REMOVE OR REPLACE RFHCO MICROPHONES OR COMMUNICATION
COMPONENTS

M 260 REMOVE OR REPLACE VENTILATION DUCT HANGERS

M 201 GLUE SEAMS OF RFHCO'S

M 257 REMOVE OR REPLACE RFHCO EMERGENCY CONNECTOR FITTINGS

030 8C. BIO-PAN-45

20 32 38 25

71 76 84 45

78 80 83 55

46 52 59 30

46 53 59 25

51 55 59 25

51 53 53 20

41 50 55 20

39 44 45 20

37 42 47 20

29 36 42 15

32 39 44 15

34 41 42 20

37 42 45 20

10 21 33 15

34 39 39 20

12 24 33 15

22 27 33 20

281 29 36 15

22 32 36 15

15 26 33 20

32 35 39 20

5 20 30 10

SIS 445X1 MAINTAINED WITH OCCUPATIONAL SURVEY DATA

FCPAT1

 1ST JOB
(1-24 MOS)
 1ST ENL
(1-48 MOS)
 44551
 44571

 TNG
 EMP
 D

O TSM

TITLES

031 8D. SELF-CONTAINED BREATHING APPARATUS (MSA/SCOTT)

M 189 CLEAN MINE SAFETY APPLIANCE (MSA) OR SCOTT AIR PACKS	3.22	22	32	41	15
M 214 PERFORM AFTER USE INSPECTIONS OF MSA'S OR SCOTT AIR PACKS	3.19	10	23	34	15
M 200 FUNCTIONALLY TEST MSA'S OR SCOTT AIR PACKS	2.97	10	24	33	15
M 254 REMOVE OR REPLACE MSA SPEAKING DIAPHRAGMS	2.09	5	14	19	10
M 248 REMOVE OR REPLACE MSA HIGH PRESSURE HOSES	2.06	5	12	17	10
M 247 REMOVE OR REPLACE MSA FACE PIECES	2.03	7	15	20	10
M 251 REMOVE OR REPLACE MSA PRESSURE GAUGES	1.97	7	14	19	10
M 253 REMOVE OR REPLACE MSA SAFETY VALVES	1.97	7	15	20	10
M 250 REMOVE OR REPLACE MSA OR SCOTT AIR PACK BREATHING TUBES	1.94	15	23	20	15
M 252 REMOVE OR REPLACE MSA REGULATORS	1.94	7	14	19	10
M 249 REMOVE OR REPLACE MSA OR SCOTT AIR PACK BACK PLATE	1.84	5	14	20	15
HARNESSES					
M 246 REMOVE OR REPLACE MSA AIR CYLINDERS	1.78	7	14	19	10
M 255 REMOVE OR REPLACE MSA WAIST STRAPS	1.69	5	14	19	10

032 8E. ROCKET PROPELLANT FUEL HANDLER'S GAS MASK

M 204 INSPECT ROCKET PROPELLANT FUEL HANDLER GAS MASKS	4.66	29	39	47	25
M 191 CLEAN ROCKET PROPELLANT FUEL HANDLER GAS MASKS	3.50	27	35	42	15
M 239 REMOVE OR REPLACE FUEL HANDLER GAS MASK CANISTERS	2.72	17	27	34	10
M 242 REMOVE OR REPLACE FUEL HANDLER GAS MASK FACE PIECES	2.53	12	23	33	15
M 243 REMOVE OR REPLACE FUEL HANDLER GAS MASK SPEAKING DIAPHRAGMS	2.47	5	14	31	15
M 237 REMOVE OR REPLACE FUEL GAS MASK LENSES	2.41	7	18	28	15
M 238 REMOVE OR REPLACE FUEL HANDLER GAS MASK BREATHING TUBES	2.41	15	23	31	15
M 241 REMOVE OR REPLACE FUEL HANDLER GAS MASK EXHALATION VALVES	2.22	12	20	28	15
M 240 REMOVE OR REPLACE FUEL HANDLER GAS MASK CLAMPS OR COUPLINGS	2.16	12	23	31	15

033 8F. PORTABLE LIQUID AIR STORAGE TANKS (DEWAR)

M 261 SAMPLE DEWAR LIQUID AIR USING OXYGEN ANALYZERS	5.56	32	42	45	20
M 185 BLEND AIR	5.41	34	41	44	20
A 12 PREPARE LIQUID AIR STORAGE TANK ACTIVE STORAGE STATUS FORMS (APTO FORM 460)	4.72	17	24	27	20
M 216 PERFORM DEWAR UNIT PERIODIC INSPECTIONS	3.66	-	-	-	-
M 195 DRAIN DEWAR UNITS	3.13	34	39	42	20
M 205 ISOLATE DEWAR UNIT MALFUNCTIONS	2.84	20	27	27	20
M 266 VISUALLY INSPECT DEWAR BOTTLES	2.66	34	39	47	25
M 188 CLEAN DEWAR UNITS	2.31	32	39	41	25
M 235 REMOVE OR REPLACE DEWAR UNIT VALVES, GAUGES, FITTINGS, OR HOSES	1.94	-	-	-	-

PCPNYI

1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
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DO NOT WRITE IN THESE SPACES

TITLES

H 234 REMOVE OR REPLACE REAR BRAKE ASSEMBLIES, TIRES, CASTERS, OR WHEELS

15.	24.	31.	5
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1.25

039 00. LIQUID OXYGEN AND NITROGEN STORAGE TANKS

K 364 PERFORM AGE WORK CARD INSPECTIONS

IN 107 FILL OXYGEN OR NITROGEN BULK STORAGE TANKS

M 256 REMOVE OR REPLACE OXYGEN OR NITROGEN BULK STORAGE TANK FILTERS

STUDY

035 8H. ENVIRONMENTAL CONTROL UNITS (ECUS)

H 196 FILL ENVIRONMENTAL CONTROL UNITS (ECU) WITH LIQUID AIR

H 268 WEIGH ECU'S

A 8 PREPARE ENVIRONMENTAL CONTROL UNIT (BACKPACK) FILL

DOCUMENT FORMS (AFTO FORM 57)

H 215 PERFORM BEFORE USE INSPECTIONS OF ECU'S

W 219 PERFORM 5 FULL INSPECTIONS OF ECU'S

A 9 PREPARE ENVIRONMENTAL CONTROL UNIT 120-/150-DAY FILL

INSPECTION FORMS (AFTO FORM 456)

THE HILL AIRPORT INSPECTIONS OF E

036 81. NITROGEN REGULATING PANEL (TPM1048)

H 209 OPERATE NITROGEN REGULATING TEST PANELS TO INFLATE SUITS

H 200 MAINTAIN NITROGEN REGULATING TEST PANELS

037 8J. ENVIRONMENTAL CONTROL UNIT (ECU) TESTER

IN 199 FUNCTIONALLY TEST ECU'S USING ECU TESTERS

038 9. WEAPON SYSTEM LGM-25C

039 9A. WEAPON SYSTEM FAMILIARIZATION

SYS 445X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPR11

D ISK	TITLES	TNG EMP 40*	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
K 357	OPERATE DIRECT LINE TELEPHONES TO CONTROL CENTERS	3.31	61	70	75	45
040	98. OPERATE ELEVATORS					
K 360	OPERATE SILO OR PORTAL ELEVATORS	4.28	68	76	83	50
041	9C. OPERATE MS-3 BLAST DOOR SYSTEM					
K 356	OPERATE BLAST DOORS TO ENTER OR EXIT MISSILE SITES	4.31	61	70	78	45
042	9D. OPERATE MS-2 SILO WORK PLATFORM SYSTEM					
K 367	RAISE OR LOWER SILO WORK PLATFORMS	6.25	63	65	69	45
043	9E. CORROSION					
K 368	REMOVE CORROSION FROM METAL SURFACES	3.84	83	86	91	45
K 347	APPLY CORROSION PREVENTATIVE OR PAINT TO METAL SURFACES	3.16	78	82	88	35
044	1D. FUEL AND OXIDIZER TRANSPORT TRAILERS					
C 63	TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-16 OR R-17 TRANSPORT TRAILERS	5.25	32	42	48	30
C 52	PERFORM TRANSPORT TRAILER PERIODIC INSPECTIONS	4.81	56	64	67	45
045	11. FUEL AND OXIDIZER HOLDING TANK TRAILERS					
C 42	FINAL ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	6.19	54	59	66	45
C 43	FINE LEVEL HOLDING TANK TRAILERS	6.03	68	68	69	45
C 53	POSITION HOLDING TANK TRAILER VALVES TO CONDITION PROPELLANTS	6.03	63	64	66	45
C 59	ROUGH ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	6.00	51	56	63	45
C 35	CHANGE HOLDING TANK TRAILER NITROGEN SYSTEM FILTER ELEMENTS	5.50	61	65	81	50

315 99511 MATCHED WITH OCCUPATIONAL SURVEY DATA

PCPAT1

D TSM	TITLES	JMG EMP #0*	1ST JOB (1-24 MOS)	1ST ENL (1-68 MOS)	44551	44571
C 63	TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-16 OR R-17 TRANSPORT TRAILERS	5.25	32	42	48	30
C 49	PERFORM HOLDING TANK TRAILER PERIODIC INSPECTIONS	5.00	56	64	67	45
C 41	DISCRETE DRAIN HOLDING TANK TRAILER PIPING	4.94	39	48	53	30
C 51	PERFORM HOLDING TANK TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	4.66	56	64	67	45
C 58	RESIDUAL DRAIN HOLDING TANK TRAILER PIPING	4.59	51	56	61	40
C 48	PERFORM HOLDING TANK TRAILER ELECTRICAL CHECKOUT PROCEDURES	3.97	46	50	53	45
J 315	VISUALLY INSPECT HEAT EXCHANGERS ON TRAILERS OF PTIS OR NITROGEN SYSTEMS	2.00	51	56	64	45

046	12. PROPELLANT TRANSFER SYSTEM CONTROL TRAILER					

B 28	CONNECT OR DISCONNECT CONTROL TRAILER ELECTRICAL CABLES	5.37	66	68	72	40
B 32	PERFORM CONTROL TRAILER PRE OR POST OPERATION PROCEDURES	5.00	51	58	63	40
B 33	PERFORM CONTROL TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	4.91	46	56	59	40
B 30	OPERATE AND MONITOR CONTROL TRAILER CONTROL PANELS DURING PROPELLANT TRANSFER OPERATIONS	3.91	29	41	50	40

047	13. PROPELLANT CONDITIONING TRAILER					

D 76	PERFORM CONDITIONING TRAILER PRE OR POST OPERATION PROCEDURES	5.09	59	61	69	50
D 75	PERFORM CONDITIONING TRAILER PERIODIC INSPECTIONS	4.94	-	-	-	-
D 77	PERFORM CONDITIONING TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	4.87	56	59	64	45
D 68	FILL OR DRAIN CONDITIONING TRAILER GLYCOL SYSTEMS	4.78	61	65	70	50
D 79	PURGE CONDITIONING TRAILER GLYCOL SYSTEMS	4.06	46	48	55	45
D 78	POSITION CONDITIONING TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	3.78	59	61	67	40
D 80	REMOVE OR REPLACE CONDITIONING TRAILER NITROGEN CYLINDERS	3.19	66	70	75	50
D 72	LUBRICATE CONDITIONING TRAILER GLYCOL PUMPS OR CONDENSER FANS AND MOTORS	2.62	46	48	58	40

048	14. NITROGEN TUBE BANK TRAILERS					

E 105	SERVICE TUBE BANK TRAILERS	5.72	66	62	64	35
E 97	PERFORM TUBE BANK TRAILER PREOPERATIONAL INSPECTIONS	5.19	44	47	52	40
E 90	CONNECT OR DISCONNECT TUBE BANK HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	4.94	71	70	70	50
E 103	SAMPLE TUBE BANKS	3.72	-	-	-	-

SYS 44551 MATCHED WITH OCCUPATIONAL SURVEY DATA

FC00413

1ST JOB 1ST ENL. 44551 44571
(1-24 MOS) (1-48 MOS)

ING
EMP
ED*

D TSK TITLES

049 15. NITROGEN RECHARGER RC-15

E 93	OPERATE NITROGEN RECHARGERS	6.12	78	79	78	65
E 92	MONITOR PRESSURE AND TEMPERATURE DURING OPERATION OF RECHARGERS	5.84				
E 99	POSITION NITROGEN RECHARGER VALVES TO PRESSURIZE SYSTEMS WITH GASEOUS NITROGEN	5.81	60	60	81	50
E 100	POSITION VALVES TO SERVICE NITROGEN RECHARGERS WITH LIQUID NITROGEN	5.59	76	77	78	55
E 91	COOL DOWN CRYOGENIC PUMPS	5.53	71	73	73	65
E 101	PRESSURIZE NITROGEN RECHARGER TANKS	5.03	80	83	83	60
E 81	CHECK CRYOGENIC PUMP OIL LEVELS	5.00	76	72	78	65
E 95	PERFORM NITROGEN RECHARGER PRE OR POST OPERATIONAL INSPECTIONS	4.62	71	73	73	60
E 96	PERFORM NITROGEN RECHARGER SERVICE INSPECTIONS	4.62	71	70	70	65
E 85	CONNECT OR DISCONNECT NITROGEN RECHARGER ELECTRICAL CABLES	4.50	78	77	78	60
E 102	SAMPLE NITROGEN RECHARGERS	3.56				
J 321	VISUALLY INSPECT PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	3.25	59	62	72	35
J 279	ADJUST NITROGEN RECHARGER DRIVE BELTS	3.19				

050 16. PORTABLE OXIDIZER VAPOR BURNER

E 94	OPERATE PORTABLE VAPOR BURNERS	6.19				
E 88	CONNECT OR DISCONNECT PORTABLE VAPOR BURNER PROPANE HOSES	4.94				
E 98	PERFORM VAPOR BURNER AFTER USE INSPECTIONS	4.75	68	73	77	50

051 17. NITROGEN SATURATION TOOL

F 110	CONNECT OR DISCONNECT NITROGEN SATURATION TOOLS	6.06	54	59	67	35
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052 18. PROPELLANT TANK PRESSURIZATION TOOL

F 111	CONNECT OR DISCONNECT TANK PRESSURIZATION TOOLS	6.75	68	68	67	35
F 124	PRESSURIZE MISSILE TANKS USING TANK PRESSURIZATION TOOLS	6.25				
F 113	INSPECT TANK PRESSURIZATION TOOLS	5.34				
J 314	REMOVE OR REPLACE TANK PRESSURIZATION TOOL COMPONENTS	3.50				

053 19. PROPELLANT TRANSFER SYSTEMS

375 99811 MATCHED WITH OCCUPATIONAL SURVEY DATA

FC0071

1ST JOB 1ST ENL 44551 44571
(1-24 MOS) (1-48 MOS)

TNS
EMP
=0=

0 TSM TITLES

054 19A. OPERATION OF INTERCONNECTED PROPELLANT AND NITROGEN SYSTEMS

055 19B. POSITIONING OF MOBILE AEROSPACE GROUND EQUIPMENT ON MISSILE COMPLEX

B 3A POSITION CONTROL TRAILERS ON COMPLEXES
C 5A POSITION HOLDING TRAILERS ON FUEL OR OXIDIZER HANDSTANDS

056 19C. PROCEDURES FOR COMPUTING THE INITIAL AND FINAL PROPELLANT LOAD

057 19D. FIXED FACILITY PROPELLANT TRANSFER SYSTEM

F 108 CONNECT OR DISCONNECT FILL OR DRAIN HOSES
F 112 CONNECT OR DISCONNECT VENT HOSES
E 107 CONNECT OR DISCONNECT DEAD LEG DRAIN HOSES
F 120 POSITION VALVES FOR PURGING MISSILE TANKS
J 337 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CAPS
J 118 ISOLATE FIXED OXIDIZER PROPELLANT SYSTEM MALFUNCTIONS
F 116 ISOLATE FIXED NITROGEN SYSTEM MALFUNCTIONS
J 336 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES
J 342 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PROPELLANT PUMPS
J 319 VISUALLY INSPECT PTS OR NITROGEN SYSTEM CHECK VALVES
J 322 VISUALLY INSPECT PTS OR NITROGEN SYSTEM FILTERS
J 320 VISUALLY INSPECT PTS OR NITROGEN SYSTEM CONSOLEALS
J 338 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES
J 317 VISUALLY INSPECT PTS OR NITROGEN SYSTEM BALL VALVES
J 339 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE INDICATORS
J 324 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GASKETS
J 325 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GLOBE VALVES
J 330 VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID INDICATORS
J 332 VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS
J 331 VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS
J 340 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES

51 59 66 35
63 65 67 55

68 68 70 40
68 68 72 40
66 68 70 35
55 60 66 35
54 57 69 40
49 55 61 50
49 56 63 45
44 52 63 40
61 64 72 45
63 67 77 45
59 62 72 45
46 53 63 45
59 62 72 45
59 62 70 40
56 61 70 45
59 62 72 40
51 59 69 40
51 56 63 35
46 53 64 45
44 52 63 45
56 61 72 40

4.56
4.19

8.06
7.66
7.62
6.03
4.34
4.19
3.75
3.37
3.25
3.03
3.03
2.84
2.84
2.75
2.72
2.66
2.59
2.53
2.44
2.44

SYS 44581 MATCHED WITH OCCUPATIONAL SURVEY DATA

FC0011

D TSK	TITLES	TNG EMP #0*	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
J 335	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	2.37	46	53	64	40

058	195. SILO PROPELLANT SYSTEM ELECTRICAL CABLES					

F 109	CONNECT OR DISCONNECT LEVEL II PROPELLANT TRANSFER SYSTEM (PTS) ELECTRICAL CABLES	5.00	59	64	66	35

059	197. MOBILE PROPELLANT TRANSFER SYSTEM					

C 38	CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND FACILITY INTERFACES	5.97	68	68	72	45
C 39	CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND TRANSPORT TRAILERS	5.91	63	65	67	45
E 82	CONNECT OR DISCONNECT BURNER ASSEMBLIES TO FACILITY PIPING	5.06	73	74	78	40
D 67	CONNECT OR DISCONNECT CONDITIONING TRAILER ELECTRICAL CABLES	4.75	71	70	70	40
E 87	CONNECT OR DISCONNECT PORTABLE VAPOR BURNER ELECTRICAL CABLES	4.69	73	74	78	55
E 84	CONNECT OR DISCONNECT PORTABLE SHOWER WATER HOSES	3.87	76	77	78	45

060	196. NITROGEN SYSTEM					

F 122	POSITION VALVES TO PRESSURE DRAIN FACILITY PIPING	6.56				
F 119	POSITION VALVES FOR PRESSURIZING MISSILE TANKS	6.47	55	60	69	40
F 123	POSITION VALVES TO PRESSURE TEST FACILITY PIPING	5.97	56	59	64	40
F 125	PURGE FIXED FACILITY PIPING AND FILTERS	5.56	59	61	66	35
C 56	PRESSURE TEST HOLDING TANK TRAILER LIQUID OR NITROGEN HOSES AND PIPING	5.00	49	55	61	45
C 57	PURGE HOLDING TANK TRAILER PIPING AND FILTERS	4.34	46	59	66	45

061	19H. PERFORM PRETRANSFER INSPECTION OF AREAS SUCH AS HARD STAND AND SILQ					

A 15	PREPARE PORTABLE VAPOR DETECTOR OPERATION DOCUMENT FORMS (AFTO FORM 458)	3.69	15	24	31	30

CIV

STS 50811 MATCHED WITH OCCUPATIONAL SURVEY DATA

PC0411

 1ST JOB
(1-24 MOS)
 1ST ENL
(1-48 MOS)
 44551
 44571

 TNG
 EMP
 -D*

D TSM TITLES

062 191. TRANSFER PROPELLANT TO LOAD AND UNLOAD MISSILE TANKS

C 64 TRANSFER PROPELLANT BETWEEN MISSILES AND HOLDING TANK TRAILERS

F 121 POSITION VALVES TO LOAD OR UNLOAD MISSILE PROPELLANT TANKS

7.03

6.81

45

35

063 19J. SAMPLE PROPELLANT

064 19H. PERFORM BACK UP PROCEDURES

065 19L. REPLACE MISSILE TANK QUICK-DISCONNECT PRESSURE CAPS

5.37

30

066 19M. PERFORM EMERGENCY PROCEDURES INVOLVING PROPELLANT LEAKS OR SPILLS

K 362 OPERATE WIRE TYPE MAINTENANCE NETS

L 379 PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS IN SILOS

L 381 PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS IN SILOS

L 380 PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS OR SPILLS ON HARDSTANDS

L 382 PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS OR SPILLS ON HARDSTANDS

L 374 NEUTRALIZE FUEL SPILLS IN SILOS

5.87

4.66

4.66

4.62

4.56

4.34

50

15

25

15

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20

067 19N. USE WIRE TYPE MAINTENANCE NET

068 19O. USE RADIO TYPE MAINTENANCE NET

K 358 OPERATE GENERAL PURPOSE VEHICLES

3.06

40

SIS 445X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPR71

O TSK	TITLES	TNG EMP #D*	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
069	19P. MONITOR THE OPERATION OF THE VAPOR DETECTION AND WARNING SYSTEM					
K 355	MONITOR VAPOR DETECTOR ANNUNCIATOR PANEL FOR PRESENCE OF PROPELLANT VAPORS	5.66	54	61	69	45
F 128	VISUALLY INSPECT FIXED SYSTEM PIPING OR MISSILES FOR LEAKS	5.50	56	59	66	40
070	19Q. USE THE ULTRASONIC LEAK DETECTOR					
K 369	TEST FOR LEAKS USING ULTRASONIC LEAK DETECTORS	4.75	46	55	66	40
071	19R. USE THE PORTABLE VAPOR DETECTOR					
K 370	TEST FOR PROPELLANT VAPORS USING PORTABLE VAPOR DETECTORS	5.75	56	61	69	35
072	20. DECONTAMINATION					
073	20A. CHEMISTRY AS APPLIED TO COMPONENT DECONTAMINATION					
074	20B. MIX DECONTAMINATION SOLUTIONS AND AGENTS					
075	20C. PREPARE CONTAMINATED COMPONENTS FOR TRANSPORTATION					
K 371	TRANSPORT CONTAMINATED COMPONENTS BETWEEN MISSILE SITES AND MAINTENANCE FACILITIES	3.56	49	58	66	30
076	20D. DECONTAMINATE PROPELLANT CONTAMINATED COMPONENTS					
G 146	DECONTAMINATE PROPELLANT PUMPS	3.84	12	14	20	10
G 148	DECONTAMINATE VALVES, COUPLINGS, OR REGULATORS	3.50	22	21	23	25
G 147	DECONTAMINATE PROPELLANT TRANSFER SYSTEM (PTS) HOSES	3.22	17	18	23	15

S75 0001 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCDATA

B TSK	TITLES	TNS EMP #00	1ST JOB (1-24 MOS)			1ST ENL. (1-48 MOS)		
			41	50	59	44551	44571	
077	20E. DECONTAMINATE							
I 269	CHECK VAPOR CONCENTRATION OF FUEL OXIDIZER IN MISSILES USING PORTABLE VAPOR DETECTORS	4.91	41	50	59			30
L 377	NEUTRALIZE OXIDIZER SPILLS ON HARDSTANDS	4.72	61	65	69			25
L 375	NEUTRALIZE FUEL SPILLS ON HARDSTANDS	4.66	51	53	56			20
L 376	NEUTRALIZE FUEL SPILLS ON SOIL	4.03	51	53	56			20
L 378	NEUTRALIZE OXIDIZER SPILLS ON SOIL	4.03	54	56	59			20
I 271	CONNECT OR DISCONNECT HOSES BETWEEN MISSILES AND NITROGEN HEATERS OR DECONTAMINATION EQUIPMENT	3.19	41	55	67			30
C 40	DECONTAMINATE HOLDING TANK OR TRANSPORT TRAILERS	3.09	41	55	63			45
I 274	MONITOR PRESSURE AND TEMPERATURE GAUGES DURING MISSILE DECONTAMINATION	2.72	46	56	66			30
I 270	CONNECT OR DISCONNECT DECONTAMINATION EQUIPMENT BETWEEN HOLDING TANK AND TRANSPORT TRAILERS	2.69	51	56	64			30
I 277	POSITION MISSILES IN DECONTAMINATION BAY	2.41	41	58	56			25
I 276	POSITION HOLDING TANK OR TRANSPORT TRAILERS IN DECONTAMINATION BAY	2.19	41	53	64			30
I 275	MONITOR TEMPERATURE AND PRESSURE DURING HOLDING TANK OR TRANSPORT TRAILER DECONTAMINATION	2.03	46	56	64			30
078	21. DECONTAMINATION EQUIPMENT							
079	21A. OPERATION							
080	21B. PROPELLANT PURGING APPARATUS							
I 278	POSITION VALVES OF DECONTAMINATION EQUIPMENT	2.84	37	44	53			30
081	21C. PROPELLANT TANK PURGING CONTROL UNITS							
082	21D. NITROGEN HEATER							
I 273	CONNECT OR DISCONNECT NITROGEN HEATER HOSES	2.75	49	56	61			30
I 272	CONNECT OR DISCONNECT NITROGEN ELECTRIC CABLES	2.31	49	55	64			30

ST5 445X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPR T1

TNG
EMP
40*

1ST JOB
(1-24 MOS)

1ST ENL
(1-48 MOS)

44551

44571

D TSK TITLES

083 22. FINAL CLEANING

084 22A. SPECIFICATIONS FOR OPERATION OF THE FINAL CLEAN ROOM

085 22B. ENVIRONMENTAL CONTROL METHODS USED IN THE FINAL CLEAN ROOM

G 158 MAINTAIN CLEANLINESS OF CLEAN ROOMS 3.62 20 25 10

G 165 MONITOR TEMPERATURE OR HUMIDITY OF CLEAN ROOMS 2.78 20 23 15

086 22C. CERTIFY FINAL CLEAN ROOM

G 180 SAMPLE CLEAN ROOM AIR 2.94 15 18 22 15

087 22D. MIX CLEANING SOLUTIONS

G 164 MIX CLEANING SOLUTIONS 3.47 15 18 23 10

088 22E. CLEAN COMPONENTS

G 144 CLEAN STAINLESS STEEL PARTS 3.31 20 21 27 15

G 140 CLEAN METAL FILTER ELEMENTS 3.03 15 18 23 15

G 131 CLEAN ALUMINUM PARTS 2.72 20 23 28 10

G 181 SAMPLE FLUIDS AFTER CLEANING 2.37 7 12 16 10

G 137 CLEAN GLASSWARE 2.34 12 14 19 5

G 139 CLEAN HYDRAULIC SAMPLING KITS 2.31 7 12 16 16

G 138 CLEAN HYDRAULIC FILTERS 2.28 17 18 20 15

G 134 CLEAN CARBON STEEL OR CARBON STEEL ALLOY PARTS 2.09 15 15 19 10

G 141 CLEAN NONMETALLIC PARTS 1.97 7 11 16 10

G 145 CLEAN TRANSDUCERS OR GAUGES 1.97 10 12 14 10

G 142 CLEAN PNEUMATIC SAMPLING BOTTLES 1.91 7 12 16 10

G 132 CLEAN BRASS PARTS 1.84 17 18 22 5

G 133 CLEAN BRONZE PARTS 1.72 17 17 20 5

G 135 CLEAN COPPER PARTS 1.72 15 14 17 5

G 136 CLEAN ELECTROPLATED PARTS 1.69 7 9 13 5

G 143 CLEAN SHORTING PLUGS 1.53 2 9 13 5

G 130 CLEAN AIR-CONDITIONING FILTERS 1.50 12 17 20 0

SIS 402X1 MAINTAINED WITH OCCUPATIONAL SURVEY DATA

FCPR011

1ST JOB — 1ST ENL 44551 44571
(1-24 MOS) (1-48 MOS)

TNG
EMP
#00

D TSM TITLES

089 22F. PERFORM ULTRAVIOLET LIGHT INSPECTION

G 171 PERFORM ULTRAVIOLET INSPECTIONS OF COMPONENTS

2.81 20 23 30 15

090 22G. CERTIFY PACKAGED COMPONENTS

G 169 PACKAGE OR SEAL COMPONENTS AFTER CLEANING
G 129 CERTIFY CLEANLINESS OF COMPONENTS3.47 17 20 27 15
3.34 20 23 28 15

091 22H. USE ELECTRO BALANCE

092 22I. ULTRASONIC CLEANER

G 162 MAINTAIN ULTRASONIC CLEANERS

2.91 17 20 27 20

093 22J. CALIBRATION CONTROL KIT

G 166 OPERATE CALIBRATION KITS TO CALIBRATE GAUGES

3.06 12 15 22 10

094 22K. PNEUMATIC PROPELLANT SYSTEM COMPONENTS TEST STAND

G 157 FUNCTIONALLY TEST REASSEMBLED COMPONENTS USING
PNEUMATIC TEST STANDS

3.41 17 17 22 5

G 161 MAINTAIN PNEUMATIC TEST STANDS OR ADAPTERS

3.03 7 11 14 15

G 170 PERFORM POST OPERATION PROCEDURES ON PNEUMATIC TEST
STANDS

2.84 7 11 16 5

095 22L. FILTER ELEMENT TEST SET

G 160 MAINTAIN FILTER TEST SETS

3.00 20 20 25 15

096 22M. DRYING OVEN

G 159 MAINTAIN DRYING OVENS

2.81 20 21 27 25

STB 99581 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPT1

D TSK	TITLES	TNG EMP #00	1ST JOB (1-23 MOS)	1ST ENL (1-48 MOS)	44551	44571
097	22N. SAMPLE CONTAINERS					
F 127	TAKE PROPELLANT SAMPLES FROM TOP SIDE FILTERS	6.34	-	-	-	-
C 60	SAMPLE TRANSPORTERS	5.87	-	-	-	-
098	23. FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM COMPONENTS					
099	23A. OPERATION OF COMPONENTS					
100	23B. MANUAL VALVES					
J 284	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BALL VALVES	4.38	51	56	63	40
G 150	DISASSEMBLE OR REASSEMBLE PTS BALL VALVES	3.62	24	21	27	15
J 271	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GLOBE VALVES	3.41	59	64	70	35
G 156	DISASSEMBLE OR REASSEMBLE PTS Y VALVES	3.22	10	12	19	10
G 149	DISASSEMBLE OR REASSEMBLE PTS ANGLE VALVES	3.19	20	18	23	15
G 172	REMOVE OR REPLACE PARTS OF BALL VALVES	3.19	17	20	27	10
G 173	REMOVE OR REPLACE PARTS OF PTS ANGLE VALVES	3.03	17	20	27	10
G 179	REMOVE OR REPLACE PARTS OF PTS Y VALVES	3.00	15	18	25	10
J 294	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	2.75	34	42	53	30
J 299	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM NEEDLE VALVES	2.22	44	52	61	30
101	23C. SAFETY VALVES					
G 154	DISASSEMBLE OR REASSEMBLE PTS SAFETY VALVES	3.56	20	18	23	15
J 309	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	3.34	51	56	69	30
G 177	REMOVE OR REPLACE PARTS OF PTS SAFETY VALVES	3.28	17	20	27	10
102	23D. CHECK VALVES					
J 286	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CHECK VALVES	3.56	54	61	69	40
G 151	DISASSEMBLE OR REASSEMBLE PTS CHECK VALVES	3.47	22	20	25	15
G 174	REMOVE OR REPLACE PARTS OF PTS CHECK VALVES	3.03	17	20	27	10

SYS 445X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPRTA

D TSN	TITLES	TNG EMP #D*	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551 44571
103	23C. PNEUMATIC OPERATED VALVES				
J 303	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES	2.56	39	47	58
J 302	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	1.84	44	50	61
104	23F. PRESSURE CONTROL VALVES				
G 152	DISASSEMBLE OR REASSEMBLE PTS FLUID PRESSURE REGULATORS	3.19	15	15	19
J 305	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES	3.19	49	55	64
G 175	REMOVE OR REPLACE PARTS OF PTS FLUID PRESSURE REGULATORS	2.84	10	15	20
105	23G. LIQUID LEVEL INDICATORS/CONTROLLERS				
J 298	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	2.94	37	47	59
J 297	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS	2.87	37	47	59
J 296	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID INDICATORS	2.53	39	48	61
106	23H. TEMPERATURE INDICATORS				
J 312	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	1.84	51	56	66
107	23I. PRESSURE INDICATORS				
J 306	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE INDICATORS	2.75	51	58	67
108	23J. PUMPS				
109	23K. QUICK DISCONNECT				
J 287	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CONOSEALS	4.59	44	53	63

ST5 905X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

FCPART1

	TNG EMP #D*	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
0 TSK		17	20	27	10
6 176 REMOVE OR REPLACE PARTS OF PTS QUICK DISCONNECT COUPLINGS	4.03				
J 295 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	3.69	39	48	59	35
G 153 DISASSEMBLE OR REASSEMBLE PTS QUICK DISCONNECT COUPLINGS	3.62	22	20	25	15
G 155 DISASSEMBLE OR REASSEMBLE PTS SELF SEAL COUPLINGS	3.22	17	17	22	15
G 178 REMOVE OR REPLACE PARTS OF PTS SELF-SEAL COUPLINGS	3.16	12	17	23	10
110 23L FILTERS		63	70	73	45
E 10% CHANGE FIXED FACILITY LIQUID OR NITROGEN FILTER ELEMENTS	6.50				
J 289 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM FILTERS	5.06	59	64	72	35
J 290 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GASKETS	4.19	61	64	73	30
J 300 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM O RINGS	3.34	54	58	69	35
111 23M PORTABLE PROPELLANT PUMPS		51	58	66	40
J 308 REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PROPELLANT PUMPS	4.66				
112 24 FIXED GASEOUS NITROGEN SYSTEM AT THE MAMS		71	74	72	50
E 89 CONNECT OR DISCONNECT TR-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	4.25				
113 25 GASEOUS NITROGEN STORAGE CYLINDERS (1" BOTTLES)		71	70	70	40
E 104 SERVICE NITROGEN GAS CYLINDERS	5.66	76	64	77	40
D 66 CHARGE CONDITIONING TRAILER NITROGEN CYLINDERS	4.00				

STS 405X1 MATCHED WITH OCCUPATIONAL SURVEY DATA

PCRY1

D TSK	TITLES	TNG EMP #D#	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
TASKS NOT REFERENCED						
K 359	OPERATE RADIO TYPE MAINTENANCE NETS	6.78	68	76	83	50
D 73	OPERATE CONDITIONING TRAILER CONTROLS AND MONITOR INDICATORS TO CONDITION PROPELLANTS	5.87	49	53	63	45
C 36	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN HOLDING TANK TRAILERS AND TUBE BANK TRAILERS	5.69	78	79	81	55
C 37	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN TRANSPORT TRAILERS AND TUBE BANK TRAILERS	5.09	63	65	67	45
E 84	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN FIXED FACILITY SYSTEMS	4.81	76	77	80	55
M 202	INSPECT AND CLEAN ROCKET FUEL HANDLER SUITS (SD-36031)	4.59	51	55	47	25
C 46	ISOLATE TRANSPORT TRAILER LIQUID SYSTEM MALFUNCTIONS	4.53	39	41	47	45
F 115	ISOLATE FIXED FUEL PROPELLANT SYSTEM MALFUNCTIONS	4.44	44	52	56	45
C 55	POSITION TRANSPORT TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	4.30	51	55	70	40
C 45	ISOLATE HOLDING TANK TRAILER LIQUID OR NITROGEN SYSTEM MALFUNCTIONS	4.28	61	59	61	50
B 31	PERFORM CONTROL TRAILER ELECTRICAL CHECKOUT PROCEDURES	4.22	51	58	63	50
K 350	CLEAN HAND TOOLS	4.22	80	85	94	40
C 65	TRANSFER PROPELLANT BETWEEN TRANSPORT TRAILERS	4.19	29	38	58	30
D 74	PERFORM CONDITIONING TRAILER ELECTRICAL CHECKOUTS USING ELECTRICAL TEST SETS	4.09	46	53	56	45
D 71	ISOLATE CONDITIONING TRAILER MECHANICAL SYSTEM MALFUNCTIONS	4.00	44	50	61	50
C 61	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND R-16 OR R-17 TRANSPORT TRAILERS	3.97	32	42	48	30
M 192	DECONTAMINATE ROCKET FUEL HANDLER UNITS (SD-36031)	3.87	32	41	45	5
E 83	CONNECT OR DISCONNECT HS-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	3.84	49	58	59	50
L 385	PERFORM STAGE II MISSILE TANK EMERGENCY FUEL UNLOADING	3.81	20	26	31	10
L 386	PERFORM STAGE I OR II MISSILE TANK EMERGENCY OXIDIZER UNLOADING	3.81	22	24	31	15
K 351	CLEAN WORK AREAS	3.75	83	86	94	40
J 329	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	3.72	66	65	73	50
C 47	ISOLATE TRANSPORT TRAILER NITROGEN SYSTEM MALFUNCTIONS	3.59	41	42	47	40
L 384	PERFORM STAGE I OR II OXIDIZER HOLDING TRAILERS EMERGENCY UNLOADING	3.53	29	32	39	10
L 383	PERFORM STAGE I OR II FUEL HOLDING TANK TRAILER EMERGENCY UNLOADING	3.50	24	26	33	10
M 223	REMOVE OR REPLACE BOOT OR GLOVE STIFFENERS	3.44	27	35	42	15
L 373	DISPOSE OF SILO OXIDIZERS	3.44	32	36	41	25
L 372	DISPOSE OF SILO FUEL	3.41	29	35	41	25
K 352	DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO LIQUID PROPELLANTS	3.25	54	59	67	35
A 11	PREPARE ISSUE/TURN IN REQUEST FORMS (AF FORM 2005)	3.22	24	26	65	21
J 316	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	3.19	51	56	66	50

Tasks rated "high" in training emphasis (3.5 and higher) should be reviewed for possible inclusion in the STS. Those tasks rated "high" in training emphasis and also performed by over 30 percent of first job or first enlistment personnel should be considered for codes in the ABR school-controlling column of the STS.

STS 445X1 MAINTAINED WITH OCCUPATIONAL SURVEY DATA

PC8873

Q TSK	TITLES	YMG EMP NO	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
C 62	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND FUEL OR OXIDIZER HOLDING TANK TRAILERS	3.09	41	48	58	30
M 190	FUNCTIONALLY TEST CHEMEX UNITS	3.09	20	30	34	15
J 283	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	3.09	54	59	69	40
J 310	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM RUPTURE DISCS	3.09	54	59	67	40
F 126	SERVICE FIXED FACILITY NITROGEN STORAGE TANKS	3.00	54	59		
G 182	VISUALLY INSPECT COMPONENTS TURNED IN TO CLEAN ROOMS	3.00	17	18	25	10
M 213	PATCH ROCKET FUEL HANDLER SUITS (SD-3663)	3.00	29	36	42	5
J 343	VISUALLY INSPECT PTS OR NITROGEN SYSTEM RUPTURE DISCS	2.97	66	65	75	45
A 27	RESEARCH TECHNICAL PUBLICATIONS	2.94	-	-	-	-
K 365	PERFORM MISSILE LEAK TESTS	2.87	51	57	66	40
M 187	CLEAN CHEMEX OXYGEN GENERATING BREATHING APPARATUS	2.84	29	36	41	20
J 334	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	2.84	63	65	77	45
K 353	DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO PROPELLANT VAPORS	2.84	46	55	63	30
F 114	ISOLATE FIXED FUEL ELECTRICAL SYSTEM MALFUNCTIONS	2.72	32	41	45	30
G 163	MEASURE COMPONENTS USING MICROMETERS	2.69	10	12	16	0
K 366	PERFORM OPERATOR MAINTENANCE OF GENERAL PURPOSE VEHICLES	2.69	44	56	64	35
B 29	ISOLATE CONTROL TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	2.62	24	35	42	50
G 167	OPERATE ELECTRO BALANCES	2.59	5	9	16	10
D 70	ISOLATE CONDITIONING TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	2.56	34	42	52	40
M 217	PERFORM PERIODIC INSPECTIONS OF CHEMEX UNITS	2.56	22	32	38	15
A 19	PREPARE SERVICEABLE TAG-MATERIAL FORMS (DD FORM 1574)	2.53	27	32	34	55
F 117	ISOLATE FIXED OXIDIZER ELECTRICAL SYSTEM MALFUNCTIONS	2.53	32	41	61	50
J 292	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HAND REGULATORS	2.53	44	53	66	35
C 44	ISOLATE HOLDING TANK TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	2.47	34	41	47	40
J 285	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	2.44	41	50	59	40
J 288	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	2.44	46	56	67	35
J 301	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	2.41	49	55	66	35
J 318	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	2.41	41	50	63	45
C 50	PERFORM HOLDING TANK TRAILER PNEUMATIC SYSTEM CHECKOUT PROCEDURES	2.37	32	38	41	45
D 69	FLUSH CONDITIONING TRAILER GLYCOL SYSTEMS WITH CORROSION REMOVING COMPOUNDS	2.37	46	48	56	40
J 326	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HAND REGULATORS	2.37	49	55	67	40
J 328	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	2.37	44	52	61	45
J 333	VISUALLY INSPECT PTS OR NITROGEN SYSTEM O RINGS	2.31	49	55	66	45
M 227	REMOVE OR REPLACE CHEMEX CANNISTERS	2.22	27	32	41	15
G 168	OPERATE MICROSCOPES FOR PARTICLE COUNTS	2.19	15	17	22	15
J 344	VISUALLY INSPECT PTS OR NITROGEN SYSTEM SOLENOID VALVES	2.19	49	56	67	40
K 354	INSTALL OR REMOVE INTERSTAG WORK PLATFORMS	2.19	-	-	-	-

SYS 99811 MATCHED WITH OCCUPATIONAL SURVEY DATA

PCP8711

D TSK	TITLES	TNG EMP *D*	1ST JOB (1-24 MOS)	1ST ENL (1-48 MOS)	44551	44571
M 231	REMOVE OR REPLACE CHEMOX UNIT FACE PIECES	2.16	12	23	30	15
M 232	REMOVE OR REPLACE CHEMOX UNIT LENSES	2.16	7	18	30	15
J 311	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM SOLENOID VALVES	2.12	41	50	59	35
A 24	PREPARE UNSERVICEABLE (CONDENSED) LABEL-MATERIAL FORMS (DD FORM 1577-1)	2.09	29	32	34	60
M 194	DISPOSE OF USED CHEMOX CANNISTERS	2.09	24	33	38	20
J 323	VISUALLY INSPECT PTS OR NITROGEN SYSTEM FLOW METERS	2.09	54	59	69	40
M 203	INSPECT RFMCO VANS	2.03	24	29	36	20
M 225	REMOVE OR REPLACE CHEMOX BREATHING TUBES OR TUBE COUPLINGS	2.03	5	15	25	15
J 345	VISUALLY INSPECT PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	2.03	56	61	70	40
A 25	PREPARE UNSERVICEABLE (REPARABLE) TAG MATERIAL FORMS (DD FORM 1577-21)	1.94	20	23	27	65
K 349	CLEAN GENERAL PURPOSE VEHICLES	1.94	73	76	81	35
M 224	REMOVE OR REPLACE CHEMOX BREATHING BAGS OR DIAPHRAGMS	1.88	2	15	23	15
J 346	VISUALLY INSPECT PTS OR NITROGEN SYSTEM, TEMPERATURE SWITCHES	1.88	51	55	64	35
A 14	PREPARE NON-MSN REQUISITION (MANUAL) FORMS (DD FORM 1348-6)	1.84	5	3	8	35
M 226	REMOVE OR REPLACE CHEMOX BREATHING VALVES	1.84	5	14	23	10
M 228	REMOVE OR REPLACE CHEMOX PRESSURE RELIEF VALVES	1.84	5	14	23	15
J 341	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	1.78	46	52	63	35
A 10	PREPARE EQUIPMENT DISCREPANCIES FORMS (AF FORM 2421)	1.72	-	-	-	-
M 230	REMOVE OR REPLACE CHEMOX TIMERS	1.72	10	20	25	15
M 229	REMOVE OR REPLACE CHEMOX SHOULDER HARNESSES OR WAIST STRAPS	1.69	5	17	27	10
J 327	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HEATER ELEMENTS	1.69	51	58	66	40
J 313	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE SWITCHES	1.53	44	48	58	40
M 222	PREPARE DEWAR UNITS FOR SHIPMENT	1.47	20	23	30	5
M 221	PREPARE DEWAR BOTTLES FOR STORAGE	1.37	24	29	38	15
J 307	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	1.37	44	47	58	15
K 361	OPERATE VACUUM PUMPS	1.37	-	-	-	-
M 211	PAINT OR MARK DEWAR UNITS	1.34	20	29	36	10
A 20	PREPARE SIGNIFICANT HISTORICAL DATA FORMS (AFTO FORM 95)	1.22	7	9	11	30
J 282	REMOVE OR REPLACE PTS OR NITROGEN FLOW METERS	1.22	41	53	63	40
J 293	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HEATER ELEMENTS	1.22	32	44	54	30
J 281	REMOVE OR REPLACE HEAT EXCHANGERS ON TRAILERS OF PROPELLANT TRANSFER SYSTEMS (PTS) OR NITROGEN SYSTEMS	1.09	34	41	53	25
M 262	SERVICE RFMCO VANS	1.06	-	-	-	-
A 5	MAINTAIN PHEL EQUIPMENT LISTINGS	.91	-	6	11	40
A 26	RESEARCH SUPPLY PUBLICATIONS	.78	-	-	-	-
A 71	PREPARE SUPPLY CONTROL LOG FORMS (AF FORM 2413)	.53	-	-	-	-
A 17	PREPARE REQUEST FOR PURCHASE FORMS (AF FORM 9)	.44	2	2	5	25
A 6	MAINTAIN SUPPLY ACCOUNTS	.41	5	3	6	45
A 2	MAINTAIN DAILY DUEOUT LISTINGS	.28	5	3	5	20

STE 44581 MAIGNED WITH OCCUPATIONAL SURVEY DATA

SECRET PAGE 24

D TSM	TITLES	TMS	EMP	QD
A 23	PREPARE TRAINING REQUEST AND COMPLETION NOTIFICATION FORMS (AF FORM 2426)	.28		
A 1	MAINTAIN AF AEROSPACE FUELS TEST REPORT FORMS (SAANA FORM 2158)	.22		
A 3	MAINTAIN DAILY PRODUCTION REPORTS	.22		
A 4	MAINTAIN MASTER IDENTIFICATION NUMBER LISTINGS	.13		

APPENDIX B

POI JAMR44331 MAINTENANCE W/OCCUPATIONAL SURVEY DATA

FCPR12 PAGE 1

POI JAMR44331, MISSILE LIQUID PROP MAINTENANCE (DATED 1980), IS PRESENTED BELOW WITH MATCHED JOB INVENTORY TASKS AND OCCUPATIONAL SURVEY DATA.

USE OF POI FACPR12 PRINTOUTS: POI OBJECTIVES ARE LISTED BETWEEN THE DOTTED LINES, WITH MATCHED TASKS LISTED BELOW AND SURVEY DATA PRINTED TO THE RIGHT OF EACH TASK. TRAINING OBJECTIVES CAN BE COMPARED WITH THE PERCENT PERFORMING, AND THE RELATIVE TRAINING EMPHASIS AND TASK DIFFICULTY RATINGS (SEE ATCR 52-22 FOR CRITERIA). PERFORMANCE OBJECTIVES WHICH ARE NOT WELL SUPPORTED CAN BE CONSIDERED FOR REPLACEMENT WITH OBJECTIVES INVOLVING TASKS PERFORMED BY HIGHER PERCENTAGES OF INCUMBENTS AND RATED HIGHER IN TRAINING EMPHASIS AND TASK DIFFICULTY. IN ADDITION TASKS WHICH WERE NOT MATCHED WITH POI OBJECTIVES ARE LISTED IN "TASKS NOT REFERENCED" SECTION IN DESCENDING ORDER OF FIRST-TERM TRAINING EMPHASIS. THESE TASKS CAN BE USED TO IDENTIFY TASKS WHICH MAY WARRANT TRAINING AND WHICH CAN BE INCLUDED IN FUTURE POIS. FOR MORE DETAILED EXPLANATION OF TRAINING EMPHASIS AND TASK DIFFICULTY RATINGS, PLEASE CALL USAFOMC/OMYO AT AUTOVON 487-5811.

VECTOR TYPE CODES:

- (T) = % TIME SPENT BY ALL MEMBERS
- (M) = % MEMBERS PERFORMING
- (P) = TASK FACTOR
- (D) = DICHOTOMOUS SET
- (B) = % TIME SPENT BY MEMBERS PERFORMING
- (-) = PROGRAM GENERATED VECTOR

NO	TYPE VECTOR	MEAN	SD	DESCRIPTION
1	D	3.52	1.52	AFSC 445X1 TRAINING EMPHASIS RATINGS
1				

POI JABR44531 MATCHED W/OCCUPATIONAL SURVEY DATA

FCPR12

POI JABR44531, MISSILE LIQUID PROP MAINTENANCE (DATED 1980), IS PRESENTED BELOW WITH MATCHED JOB INVENTORY TASKS AND OCCUPATIONAL SURVEY DATA.

USE OF POI FACPR12 PRINTOUTS: POI OBJECTIVES ARE LISTED BETWEEN THE DOTTED LINES, WITH MATCHED TASKS LISTED BELOW AND SURVEY DATA PRINTED TO THE RIGHT OF EACH TASK. TRAINING OBJECTIVES CAN BE COMPARED WITH THE PERCENT PERFORMING, AND THE RELATIVE TRAINING EMPHASIS AND TASK DIFFICULTY RATINGS (SEE ATCR 52-22 FOR CRITERIA). PERFORMANCE OBJECTIVES WHICH ARE NOT WELL SUPPORTED CAN BE CONSIDERED FOR REPLACEMENT WITH OBJECTIVES INVOLVING TASKS PERFORMED BY HIGHER PERCENTAGES OF INCUMBENTS AND RATED HIGHER IN TRAINING EMPHASIS AND TASK DIFFICULTY. IN ADDITION TASKS WHICH WERE NOT MATCHED WITH POI OBJECTIVES ARE LISTED IN "TASKS NOT REFERENCED" SECTION IN DESCENDING ORDER OF FIRST-TERM TRAINING EMPHASIS. THESE TASKS CAN BE USED TO IDENTIFY TASKS WHICH MAY WARRANT TRAINING AND WHICH CAN BE INCLUDED IN FUTURE POI'S. FOR MORE DETAILED EXPLANATION OF TRAINING EMPHASIS AND TASK DIFFICULTY RATINGS, PLEASE CALL USAFOMC/ONVO AT AUTOVON 487-5811.

Percentage of first job or first enlistment
personnel from the 1975 study performing each task

1ST JOB (1-24 MOS) 1ST ENLISTMENT (1-48 MOS)

TMS
EMP
-D-

D TSM TITLES

001 POI JABR44531 001

002 DRAFT COPY

003 PLAN OF INSTRUCTION

004 MISSILE LIQUID PROPELLANT SYSTEMS MAINTENANCE SPECIALIST

005 SHEPPARD TECHNICAL TRAINING CENTER

006 19 DECEMBER 1980- EFFECTIVE 7 JANUARY 1981 WITH CLASS 810107

007 BLOCK 1. FUNDAMENTALS (93 HRS)

A task designated with a "-" is new to the 1980 TE inventory, and no equivalent task in the 1975 inventory could be found. The "-" means no percent members performing data could be provided.

POL 3ABR44331 MATCHED W/OCCUPATIONAL SURVEY DATA

PC872

1ST ENLISTMENT
(1-48 MOS)1ST JOB
(1-24 MOS)TNG
EMP
#D*

D TSK TITLES

Q08 BLOCK 11, BRANCH AND COURSE ORIENTATION (3 HRS)

Q09 BLOCK 12, PUBLICATIONS (8 HRS)

A 7 POST CHANGES TO TECHNICAL ORDERS 3.66 - 12

A 22 PREPARE TECHNICAL ORDER SYSTEM PUBLICATION IMPROVEMENT REPORT AND REPLY FORMS (AFIO FORM 22) 2.91 0

A 18 PREPARE SAC CE MANUAL ICBM RPIE IMPROVEMENT REPORT FORMS (SAC FORM 86) 1.72 0

Q10 BLOCK 13, TOOLS AND EQUIPMENT (14 HRS)

K 308 CHECK GROUND CABLE RESISTANCE ON MOBILE AEROSPACE GROUND EQUIPMENT (AGE) 5.16 -

M 106 CHARGE RADIO TRANSCIVER BATTERIES 3.50 37 42

Q11 BLOCK 14, CAREER FIELD SAFETY (16 HRS)

Q12 BLOCK 15, OPERATION AND MAINTENANCE OF MOBILE EQUIPMENT (87 HRS)

Q13 BLOCK 16, OPERATION AND MAINTENANCE OF THE NITROGEN TUBE BANK TRAILER AND NITROGEN RECHARGER (27 HRS)

E 93 OPERATE NITROGEN RECHARGERS 6.12 -

E 92 MONITOR PRESSURE AND TEMPERATURE DURING OPERATION OF RECHARGERS 5.84 78 79

E 99 POSITION NITROGEN RECHARGER VALVES TO PRESSURIZE SYSTEMS WITH GASEOUS NITROGEN 5.81 60 65

E 105 SERVICE TUBE BANK TRAILERS 5.72 66 62

E 100 POSITION VALVES TO SERVICE NITROGEN RECHARGERS WITH LIQUID NITROGEN 5.59 76 77

E 91 COOL DOWN CRYOGENIC PUMPS 5.53 71 73

E 97 PERFORM TUBE BANK TRAILER PREOPERATIONAL INSPECTIONS 5.19 44 47

E 101 PRESSURIZE NITROGEN RECHARGER TANKS 5.03 80 83

E 81 CHECK CRYOGENIC PUMP OIL LEVELS 5.00 76 77

PO1 3ABR49331 MATCHED W/OCCUPATIONAL SURVEY DATA

CPA72

D TSK	TITLES	TNG EMP #0*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
E 95	PERFORM NITROGEN RECHARGER PRE OR POST OPERATIONAL INSPECTIONS	4.62	71	73
E 96	PERFORM NITROGEN RECHARGER SERVICE INSPECTIONS	4.62	71	70
E 95	CONNECT OR DISCONNECT NITROGEN RECHARGER ELECTRICAL CABLES	4.50	78	77
E 103	SAMPLE TUBE BANKS	3.72	-	-
E 102	NITROGEN RECHARGERS	3.56	-	-
J 321	VISUALLY INSPECT PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	3.25	59	62
J 279	ADJUST NITROGEN RECHARGER DRIVE BELTS	3.19	-	-

014	BLOCK 112. OPERATION AND MAINTENANCE OF THE CONTROL TRAILER (6 HRS)			

B 33	PERFORM CONTROL TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	4.91	46	56

015	BLOCK 114. OPERATION AND MAINTENANCE OF THE CONDITIONING TRAILER (22 HRS)			

D 75	PERFORM CONDITIONING TRAILER PERIODIC INSPECTIONS	4.94	59	61
D 77	PERFORM CONDITIONING TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	4.87	56	59
D 80	REMOVE OR REPLACE CONDITIONING TRAILER NITROGEN CYLINDERS	3.19	66	70
D 72	LUBRICATE CONDITIONING TRAILER GLYCOL PUMPS OR CONDENSER FANS AND MOTORS	2.62	49	52

016	BLOCK 115. OPERATION AND MAINTENANCE OF THE PORTABLE OXIDIZER VAPOR BURNER (8 HRS)			

E 98	PERFORM VAPOR BURNER AFTER USE INSPECTIONS	4.75	68	73

017	BLOCK 116. OPERATION AND MAINTENANCE OF THE FUEL AND OXIDIZER HOLDING TRAILERS (14 HRS)			

C 49	PERFORM HOLDING TANK TRAILER PERIODIC INSPECTIONS	5.00	-	-
C 51	PERFORM HOLDING TANK TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	4.66	56	64
C 48	PERFORM HOLDING TANK TRAILER ELECTRICAL CHECKOUT PROCEDURES	3.97	46	50
J 315	VISUALLY INSPECT HEAT EXCHANGERS ON TRAILERS OF PTS OR NITROGEN SYSTEMS	2.00	51	56

P01 JAM000001 MATCHED W/OCCUPATIONAL SURVEY DATA

PCPATZ

1ST ENLISTMENT
(1-48 MOS)1ST JOB
(1-24 MOS)JMG
EMP
400

O ISR TITLES

O18 BLOCK I18. OPERATION AND MAINTENANCE OF THE FUEL AND
OXIDIZER TRANSPORT TRAILERS (6 HRS)

C 52 PERFORM TRANSPORT TRAILER PERIODIC INSPECTIONS

O19 BLOCK I11. PROTECTIVE CLOTHING AND SAFETY EQUIPMENT (52 HRS)

O20 BLOCK I11.1. OPERATION AND MAINTENANCE OF THE ROCKET FUEL
HANDLERS GAS MASK (4 HRS)

H 204 INSPECT ROCKET PROPELLANT FUEL HANDLER GAS MASKS

H 191 CLEAN ROCKET PROPELLANT FUEL HANDLER GAS MASKS

H 239 REMOVE OR REPLACE FUEL HANDLER GAS MASK CANISTERS

H 242 REMOVE OR REPLACE FUEL HANDLER GAS MASK FACE PIECES

H 243 REMOVE OR REPLACE FUEL HANDLER GAS MASK SPEAKING
DIAPHRAGMS

H 237 REMOVE OR REPLACE FUEL GAS MASK LENSES

H 238 REMOVE OR REPLACE FUEL HANDLER GAS MASK BREATHING TUBES

H 241 REMOVE OR REPLACE FUEL HANDLER GAS MASK EXHALATION
VALVESH 240 REMOVE OR REPLACE FUEL HANDLER GAS MASK CLAMPS OR
COUPLINGSO21 BLOCK I11.2. OPERATION AND MAINTENANCE OF THE STORAGE TANKS
(4 HRS)

J 280 DON OR TAKE OFF RHFCO SUITS

H 205 ISOLATE DEWAR UNIT MALFUNCTIONS

K 364 PERFORM AGE WORK CARD INSPECTIONS

H 197 FILL OXYGEN OR NITROGEN BULK STORAGE TANKS

H 235 REMOVE OR REPLACE DEWAR UNIT VALVES, GAUGES, FITTINGS,
OR HOSESH 256 REMOVE OR REPLACE OXYGEN OR NITROGEN BULK STORAGE TANK
FILTERSH 234 REMOVE OR REPLACE DEWAR BRAKE ASSEMBLIES, TIRES, CASTERS,
OR WHEELSO22 BLOCK I11.3. OPERATION AND MAINTENANCE OF THE ROCKET FUEL
HANDLERS CLOTHING OUTFIT (10 HRS)

4.66 29 39

3.50 27 35

2.72 17 27

2.53 12 23

2.47 5 14

2.41 7 18

2.41 15 23

2.22 12 20

2.16 12 23

7.44 78 80

2.84 7 20

2.28 27 36

2.22 27 32

1.94 10 18

1.53 15 24

1.25

POI 3ABR44331 MATCHED W/OCCUPATIONAL SURVEY DATA

ICPRT2

D TSK	TITLES	TNG EMP #0*	1ST JOB (1-24 MOS)	1ST ESTHMENT (1-48 MOS)
H 265	TRAIN PERSONNEL ON USE AND OPERATION OF PROTECTIVE EQUIPMENT	5.81	20	32
H 219	PERFORM 5 FILL INSPECTIONS OF ECU'S	5.72	29	39
K 303	OPERATIONALLY INSPECT SAFETY EQUIPMENT	5.37	71	76
A 9	PREPARE ENVIRONMENTAL CONTROL UNIT 120-/150-DAY FILL INSPECTION FORMS (AFTO FORM 456)	5.03	10	18
H 183	APPLY BUTYL TO SCUFFED AREAS	4.56	37	42
H 212	PATCH RFHCO TORSO ASSEMBLIES	4.56	29	36
H 220	PREPARE BUTYL ADHESIVES	3.97	32	39
H 218	PERFORM 120-DAY INSPECTIONS OF ECU'S	3.67	24	33
H 199	FUNCTIONALLY TEST ECU'S USING ECU TESTERS	3.81	22	32
H 208	MAINTAIN NITROGEN REGULATING TEST PANELS	3.28	27	35
H 233	REMOVE OR REPLACE COMMUNICATION HARNESES	3.22	10	21
H 236	REMOVE OR REPLACE ECU COMPONENTS	2.97	24	33
H 244	REMOVE OR REPLACE HELMET SEALS	2.97	12	24
H 259	REMOVE OR REPLACE ROLL DOWN CUFFS	2.94	22	27
H 245	REMOVE OR REPLACE HELMET VISORS	2.81	17	29
H 258	REMOVE OR REPLACE RFHCO MICROPHONES OR COMMUNICATION COMPONENTS	2.69	22	32
H 260	REMOVE OR REPLACE VENTILATION DUCT HANGERS	2.56	15	26
L 201	GLUE SEAMS OF RFHCO'S	2.41	32	35
H 257	REMOVE OR REPLACE RFHCO EMERGENCY CONNECTOR FITTINGS	1.41	5	20
023	BLOCK 1115, BLEND AND SAMPLE LIQUID AIR (14 HRS)			
024	BLOCK 1116, WEARING OF RFHCO (10 HRS)			
025	BLOCK IV, OPERATION AND MAINTENANCE OF THE FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM (48 HRS)			
026	BLOCK IV, OPERATION OF THE FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM (30 HRS)			
E 107	CONNECT OR DISCONNECT DEAD LEG DRAIN HOSES	7.62	68	68
C 64	TRANSFER PROPELLANT BETWEEN MISSILES AND HOLDING TANK TRAILERS	7.03	68	67
F 121	POSITION VALVES TO LOAD OR UNLOAD MISSILE PROPELLANT TANKS	6.81	55	60

P01 JABR99331 MATCHED W/OCCUPATIONAL SURVEY DATA

FCPRT2

D TSN	TITLES	TMB EMP #0*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
F 127	TAKE PROPELLANT SAMPLES FROM TOP SIDE FILTERS	6.34	-	-
F 120	POSITION VALVES FOR PUMPING MISSILE TANKS	6.03	55	61
C 60	SAMPLE TRANSPORTERS	5.87	-	-
F 109	CONNECT OR DISCONNECT LEVEL II PROPELLANT TRANSFER SYSTEM (PTS) ELECTRICAL CABLES	5.00	59	64
L 379	PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS IN SILOS	4.66	27	33
L 381	PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS IN SILOS	4.66	29	38
L 380	PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS OR SPILLS ON HARDSTANDS	4.62	32	38
D 34	POSITION CONTROL TRAILERS ON COMPLEXES	4.56	51	59
L 382	PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS OR SPILLS ON HARDSTANDS	4.56	37	42
C 55	POSITION TRANSPORT TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	4.38	51	55
L 374	NEUTRALIZE FUEL SPILLS IN SILOS	4.34	51	53
C 54	POSITION HOLDING TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	4.19	63	65
D 78	POSITION CONDITIONING TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	3.78	58	61

027	BLOCK 192. TROUBLESHOOTING AND MAINTENANCE OF THE FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM (10 HRS)			

E 104	CHANGE FIXED FACILITY LIQUID OR NITROGEN FILTER ELEMENTS	6.50	63	70
J 299	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM FILTERS	5.06	59	64
J 308	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PROPELLANT PUMPS	4.66	51	58
J 287	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CONOSEALS	4.59	44	53
J 284	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BALL VALVES	4.38	51	56
J 290	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GASKETS	4.19	61	64
J 295	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	3.69	39	48
J 286	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CHECK VALVES	3.56	54	61
J 291	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GLOBE VALVES	3.41	59	64
J 300	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM O RINGS	3.34	54	58
J 309	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	3.34	51	56
J 305	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES	3.19	49	55
J 298	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	2.94	37	47
J 297	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS	2.87	37	47
J 294	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	2.75	34	42
J 306	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE INDICATORS	2.75	51	58

PO1 JABR9331 MATCHED W/OCCUPATIONAL SURVEY DATA

PC00172

D ISM	TITLES	TNG EMP #D*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
J 303	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES	2.56	39	47
J 296	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID INDICATORS	2.53	39	48
J 299	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM NEEDLE VALVES	2.22	44	52
J 302	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	1.84	44	50

Q28	BLOCK IV3. OPERATION AND MAINTENANCE OF THE NITROGEN PRESSURIZATION KITS (6 HRS)			

F 111	CONNECT OR DISCONNECT TANK PRESSURIZATION TOOLS	6.75	-	-
F 124	PRESSURIZE MISSILE TANKS USING TANK PRESSURIZATION TOOLS	6.25	-	-
F 113	INSPECT TANK PRESSURIZATION TOOLS	5.34	-	-
J 314	REMOVE OR REPLACE TANK PRESSURIZATION TOOL COMPONENTS	3.50	-	-

Q29	BLOCK V. INTEGRATED OPERATION AND TROUBLESHOOTING OF THE PROPELLANT TRANSFER SYSTEM (176 HRS)			

Q30	BLOCK VI. CONNECT MOBILE EQUIPMENT (116 HRS)			

C 38	CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND FACILITY INTERFACES	5.97	68	68
F 123	POSITION VALVES TO PRESSURE TEST FACILITY PIPING	5.97	56	59
C 39	CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND TRANSPORT TRAILERS	5.91	61	65
E 82	CONNECT OR DISCONNECT BURNER ASSEMBLIES TO FACILITY PIPING	5.06	73	74
C 56	PRESSURE TEST HOLDING TANK TRAILER LIQUID OR NITROGEN HOSES AND PIPING	5.00	49	55
D 67	CONNECT OR DISCONNECT CONDITIONING TRAILER ELECTRICAL CABLES	4.75	71	70
E 87	CONNECT OR DISCONNECT PORTABLE VAPOR BURNER ELECTRICAL CABLES	4.69	73	74
E 86	CONNECT OR DISCONNECT PORTABLE SHOWER WATER HOSES	3.87	76	77

Q31	BLOCK V2. OPERATION AND TROUBLESHOOTING OF THE FIXED AND MOBILE PROPELLANT TRANSFER SYSTEM (142 HRS)			

POL 3AB99931 MATCHED W/OCCUPATIONAL SURVEY DATA

YCP812

O TSK	TITLES	TNG EMP -800	1ST JOB		1ST ENLISTMENT	
			(1-24 MOS)		(1-48 MOS)	
032	BLOCK V2A. OPERATE THE PROPELLANT TRANSFER SYSTEM CONTROL TRAILER TO TRANSFER PROPELLANT ON THE M6 TRAINER.					
B 2A	CONNECT OR DISCONNECT TRAILER ELECTRICAL CABLES	5.17	66		68	
E 82	CONNECT OR DISCONNECT BURNER ASSEMBLIES TO FACILITY PIPING	5.86	73		74	
B 32	PERFORM CONTROL TRAILER PRE OR POST OPERATION PROCEDURES	5.08	51		58	
B 30	OPERATE AND MONITOR CONTROL TRAILER CONTROL PANELS DURING PROPELLANT TRANSFER OPERATIONS	3.91	29		41	
033	BLOCK V2B. TROUBLESHOOT THE PROPELLANT TRANSFER SYSTEM ON THE M6 TRAINER					
F 115	ISOLATE FIXED FUEL PROPELLANT SYSTEM MALFUNCTIONS	4.44	44		52	
F 118	ISOLATE FIXED OXIDIZER PROPELLANT SYSTEM MALFUNCTIONS	4.19	49		55	
F 116	ISOLATE FIXED NITROGEN SYSTEM MALFUNCTIONS	3.75	49		56	
034	BLOCK V2C. INSPECT THE PROPELLANT TRANSFER SYSTEM PRIOR TO PROPELLANT TRANSFER OPERATIONS ON THE M6 TRAINER					
035	BLOCK V2D. CONNECT PROPELLANT FILL/DRAIN LINES TO THE MISSILE ON THE M6 TRAINER					
F 112	CONNECT OR DISCONNECT VENT HOSES	7.66	68		68	
036	BLOCK V2E. CONNECT PROPELLANT FILL/DRAIN LINES TO THE MISSILE ON THE M6 TRAINER					
F 108	CONNECT OR DISCONNECT FILL OR DRAIN HOSES	8.06	68		68	
037	BLOCK V2F. OPERATE THE FIXED FACILITY PROPELLANT TRANSFER SYSTEM TO DEPRESSURIZE AND PRESSURIZE THE MISSILE TANKS ON THE M6 TRAINER					
F 119	POSITION VALVES FOR PRESSURIZING MISSILE TANKS	6.07	60		63	

PO1 3ABR4531 MATCHED W/OCCUPATIONAL SURVEY DATA

FCRBY2

TNG
EMP
#D*

1ST JOB
(1-24 MOS)

1ST ENLISTMENT
(1-48 MOS)

D TSM TITLES

038 BLOCK V26. OPERATE THE FIXED FACILITY PROPELLANT TRANSFER SYSTEM TO TRANSFER PROPELLANT ON THE MG TRAINER

K 359 OPERATE RADIO TYPE MAINTENANCE MEJS

039 BLOCK V24. DISCONNECT THE FILL/DRAIN LINES FROM THE MISSILE ON THE MG TRAINER

F 108 CONNECT OR DISCONNECT FILL OR DRAIN HOSES

040 BLOCK V21. DISCONNECT PROPELLANT VENT LINES FROM THE MISSILE TANKS ON THE MG TRAINER

F 112 CONNECT OR DISCONNECT VENT HOSES

041 BLOCK V2J. OPERATE THE NITROGEN TUBE BANK TRAILER TO SUPPLY NITROGEN PRESSURE FOR PROPELLANT TRANSFER OPERATIONS ON THE MG TRAINER

E 90 CONNECT OR DISCONNECT TUBE BANK HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS

042 BLOCK V2K. OPERATE THE PORTABLE OXIDIZER VAPOR BURNER DURING PROPELLANT TRANSFER SYSTEM OPERATIONS ON THE MG TRAINER

E 94 OPERATE PORTABLE VAPOR BURNERS

E 98 CONNECT OR DISCONNECT PORTABLE VAPOR BURNER PROPANE HOSES

043 BLOCK V2L. OPERATE THE OXIDIZER HOLDING TRAILER TO UNLOAD MISSILE PROPELLANT, TEMPERATURE-CONDITION PROPELLANT, ADJUST PROPELLANT LOAD, LOAD MISSILE PROPELLANTS, PRESSURE-DRAIN, PURGE PROPELLANT TRANSFER SYSTEM LINES/HOSES ON THE MG TRAINER, AND PERFORM BACK-UP PROCEDURES

F 122 POSITION VALVES TO PRESSURE DRAIN FACILITY PIPING

C 42 FINAL ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS

C 43 FINE LEVEL HOLDING TANK TRAILERS

6.78 68 76

8.06 68 68

7.66 68 68

4.94 71 70

6.19
4.94

6.56 55 60
6.19 54 59
6.03 68 68

118

POI JANR49331 MATCHED W/OCCUPATIONAL SURVEY DATA

FC0012

Q TSM	TITLES	ING EMP #0*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
C 53	POSITION HOLDING TANK TRAILER VALVES TO CONDITION PROPELLANTS	6.03	63	64
C 59	ROUGH ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	6.00	51	56
F 125	PURGE FIXED FACILITY PIPING AND FILTERS	5.56	59	61
C 35	CHANGE HOLDING TANK TRAILER NITROGEN SYSTEM FILTER ELEMENTS	5.50	61	65
J 304	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CAPS	5.37	56	61
C 63	TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-16 OR R-17 TRANSPORT TRAILERS	5.25	32	42
C 41	DISCRETE DRAIN HOLDING TANK TRAILER PIPING	4.94	39	48
C 58	RESIDUAL DRAIN HOLDING TANK TRAILER PIPING	4.59	51	56
C 57	PURGE HOLDING TANK TRAILER PIPING AND FILTERS	4.34	56	59
D44	BLOCK V2M. OPERATE THE OXIDIZER TRANSPORT TRAILER TO ADJUST THE MISSILE PROPELLANT LOAD, AND DRAIN THE OXIDIZE HOLDING TRAILER ON THE M6 TRAINER			
C 63	TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-16 OR R-17 TRANSPORT TRAILERS	5.25	32	42
D53	BLOCK V2M. OPERATE THE PROPELLANT CONDITIONING TRAILER TO TEMPERATURE-CONDITION AND TRANSFER PROPELLANT ON THE M6 TRAINER			
D 73	OPERATE CONDITIONING TRAILER CONTROLS AND MONITOR INDICATORS TO CONDITION PROPELLANTS	5.87	49	53
D 76	PERFORM CONDITIONING TRAILER PRE OR POST OPERATION PROCEDURES	5.09	59	61
D 68	FILL OR DRAIN CONDITIONING TRAILER GLYCOL SYSTEMS	4.78	61	65
D 79	PURGE CONDITIONING TRAILER GLYCOL SYSTEMS	4.06	46	48
D46	BLOCK V20. OPERATE THE PORTABLE LIQUID AIR STORAGE TANK TO SAMPLE LIQUID AIR AND SERVICE ENVIRONMENTAL CONTROL UNIT			
D47	BLOCK V2P. USE THE ROCKET FUEL HANDLERS CLOTHING OUTFIT WHILE PERFORMING CATEGORY I PROPELLANT TRANSFER SYSTEM OPERATION ON THE M6 TRAINER			
M 267	VISUALLY INSPECT RFMCO'S	7.31	46	52

PO1 JABR4433A MATCHED W/OCCUPATIONAL SURVEY DATA

/C0A73

1ST JOB
(1-24 MOS)TMS
EMP
#001ST JOB
(1-24 MOS)1ST EXLISTMENT
(1-48 MOS)

O JSK TITLES

048 BLOCK V20. USE THE RADIO-TYPE MAINTENANCE NETWORK (RTNM) WHILE PERFORMING CATEGORY I AND IV PROPELLANT TRANSFER SYSTEM OPERATIONS ON THE M6 TRAINER

049 BLOCK V2R. USE THE WIRE-TYPE MAINTENANCE NETWORK (WTNM) WHILE PERFORMING PROPELLANT TRANSFER SYSTEM OPERATION ON THE M6 TRAINER

K 362 OPERATE WIRE TYPE MAINTENANCE NETS

050 BLOCK V2S. USE THE ULTRASONIC LEAK DETECTOR TO CHECK FOR LEAKS IN THE PROPELLANT TRANSFER SYSTEM ON THE M6 TRAINER

F 128 VISUALLY INSPECT FIXED SYSTEM PIPING OR MISSILES FOR LEAKS

K 369 TEST FOR LEAKS USING ULTRASONIC LEAK DETECTORS

051 BLOCK V3. DISCONNECT MOBILE EQUIPMENT (16 MBS)

F 110 CONNECT OR DISCONNECT NITROGEN SATURATION TOOLS

C 38 CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND FACILITY INTERFACES

C 39 CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND TRANSPORT TRAILERS

D 67 CONNECT OR DISCONNECT CONDITIONING TRAILER ELECTRICAL CABLES

E 97 CONNECT OR DISCONNECT PORTABLE VAPOR BURNER ELECTRICAL CABLES

J 337 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CAPS

E 86 CONNECT OR DISCONNECT PORTABLE SHOWER WATER HOSES

J 336 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES

J 362 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PROPELLANT PUMPS

J 319 VISUALLY INSPECT PTS OR NITROGEN SYSTEM CHECK VALVES

J 322 VISUALLY INSPECT PTS OR NITROGEN SYSTEM FILTERS

J 320 VISUALLY INSPECT PTS OR NITROGEN SYSTEM CONOSEALS

J 338 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES

J 317 VISUALLY INSPECT PTS OR NITROGEN SYSTEM BALL VALVES

J 339 VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE INDICATORS

J 324 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GASKETS

J 325 VISUALLY INSPECT PTS OR NITROGEN SYSTEM GLOBE VALVES

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POL JAMES0021 MAINTENANCE W/OCUPATIONAL SURVEY DATA

CPAT2

0 158	337LES	TMO EMP #00	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
J 330	VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID INDICATORS	2.59	51	56
J 332	VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	2.53	46	53
J 331	VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS	2.44	44	52
J 340	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	2.44	56	61
J 335	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	2.37	46	53
052	BLOCK VI. FUNDAMENTALS, COMPONENTS, AND SERVICING EQUIPMENT (170 HRS)			
053	BLOCK VII. DEWAR BLENDING (16 HRS)			
054	BLOCK XII. RFHCO CLEANING (40 HRS)			
M 263	SET UP RFHCO'S FOR DOWNING	6.04	46	53
M 184	ASSIST PERSONNEL IN DOWNING OR TAKING OFF ROCKET FUEL HANDLER CLOTHING OUTFITS (RFHCO)	6.62	51	55
M 190	CLEAN RFHCO'S	5.66	51	53
M 264	TEST RFHCO HELMET COMMUNICATION SYSTEMS	5.41	41	50
M 206	LEAK TEST RFHCO'S	5.09	39	44
M 209	OPERATE NITROGEN REGULATING TEST PANELS TO INFLATE SUITS	4.28	29	36
M 207	LUBRICATE RFHCO ZIPPERS OR SEALS	3.50	37	42
M 210	PACK RFHCO FOR SHIPMENT	3.00	34	39
055	BLOCK VII. CAREER LADDER PROGRESSION			
056	BLOCK VII. MAINTENANCE MANAGEMENT (4 HRS)			
A 13	PREPARE MAINTENANCE DATA COLLECTION RECORD FORMS (AFTO FORM 349)	5.69	34	32
A 16	PREPARE REPAIRABLE ITEM PROCESSING TAG FORMS (AFTO FORM 350)	5.19	41	47

PO1 348R44531 MATCHED W/OCCUPATIONAL SURVEY DATA

FC0412

TNG EMP #D*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)	TITLES	D ISK
			Q57 BLOCK V15. COMMUNICATION SECURITY (3 HRS)	
			Q58 BLOCK V16. CORROSION CONTROL (3 HRS)	
			K 360 REMOVE CORROSION FROM METAL SURFACES	
	83	86	K 367 APPLY CORROSION PREVENTATIVE OR PAINT TO METAL SURFACES	
	78	82	Q59 BLOCK V17. WEAPON SYSTEM FAMILIARIZATION (16 HRS)	
			K 367 RAISE OR LOWER SILO WORK PLATFORMS	
	63	65	K 355 MONITOR VAPOR DETECTOR ANNUNCIATOR PANEL FOR PRESENCE OF PROPELLANT VAPORS	
	54	61	K 356 OPERATE BLAST DOORS TO ENTER OR EXIT MISSILE SITES	
	61	70	K 360 OPERATE SILO OR PORTAL ELEVATORS	
	68	76	K 357 OPERATE DIRECT LINE TELEPHONES TO CONTROL CENTERS	
	61	70	Q60 BLOCK V19. DEWAR BLENDING (12 HRS)	
			Q61 BLOCK V110. OPERATION AND MAINTENANCE OF PROPELLANT TRANSFER SYSTEM COMPONENTS (19 HRS)	
			G 176 REMOVE OR REPLACE PARTS OF PTS QUICK DISCONNECT COUPLINGS	
	17	20	G 150 DISASSEMBLE OR REASSEMBLE PTS BALL VALVES	
	24	21	G 153 DISASSEMBLE OR REASSEMBLE PTS QUICK DISCONNECT COUPLINGS	
	22	20	G 154 DISASSEMBLE OR REASSEMBLE PTS SAFETY VALVES	
	20	18	G 151 DISASSEMBLE OR REASSEMBLE PTS CHECK VALVES	
	22	20	G 177 REMOVE OR REPLACE PARTS OF PTS SAFETY VALVES	
	17	20	G 155 DISASSEMBLE OR REASSEMBLE PTS SELF SEAL COUPLINGS	
	3.22	17	G 156 DISASSEMBLE OR REASSEMBLE PTS Y VALVES	
	3.22	10	G 149 DISASSEMBLE OR REASSEMBLE PTS ANGLE VALVES	
	3.19	20	G 152 DISASSEMBLE OR REASSEMBLE PTS FLUID PRESSURE REGULATORS	
	15	15	G 172 REMOVE OR REPLACE PARTS OF BALL VALVES	
	17	20	G 178 REMOVE OR REPLACE PARTS OF PTS SELF-SEAL COUPLINGS	
	12	17	G 166 OPERATE CALIBRATION NITS TO CALIBRATE GAUGES	
	12	15	G 173 REMOVE OR REPLACE PARTS OF PTS ANGLE VALVES	
	3.03	20	G 174 REMOVE OR REPLACE PARTS OF PTS CHECK VALVES	
	17	20	G 179 REMOVE OR REPLACE PARTS OF PTS Y VALVES	
	15	15	G 175 REMOVE OR REPLACE PARTS OF PTS FLUID PRESSURE REGULATORS	
	10	15		

Due to the low percent members performing and the average TE ratings, this criterion objective should be reevaluated.

Due to the low percent
members performing and the
average TE ratings, this
criterion objective should
be reevaluated.

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POI 34894932A MATCHED W/OCCUPATIONAL SURVEY DATA

CPR72

O TSK	TITLES	TMS EMP #00	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
J 312	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	1.84	51	56

062	BLOCK VII, DEWAR BLENDING (11 HRS)			

003	BLOCK VII2, OPERATION AND MAINTENANCE OF CLEAN ROOM EQUIPMENT (14 HRS)			

K 370	TEST FOR PROPELLANT VAPORS USING PORTABLE VAPOR DETECTORS	5.75	56	61
G 146	DECONTAMINATE PROPELLANT PUMPS	3.84	12	14
A 15	PREPARE PORTABLE VAPOR DETECTOR OPERATION DOCUMENT FORMS (AFTO FORM 450)	3.69	15	24
G 158	MAINTAIN CLEANLINESS OF CLEAN ROOMS	3.62	17	20
K 371	TRANSPORT CONTAMINATED COMPONENTS BETWEEN MISSILE SITES AND MAINTENANCE FACILITIES	3.56		
G 140	DECONTAMINATE VALVES, COUPLINGS, OR REGULATORS	3.50	22	21
G 164	MIX CLEANING SOLUTIONS	3.47	15	18
G 169	PACKAGE OR SEAL COMPONENTS AFTER CLEANING	3.47	17	20
G 157	FUNCTIONALLY TEST REASSEMBLED COMPONENTS USING PNEUMATIC TEST STANDS	3.41	17	17
G 129	CERTIFY CLEANLINESS OF COMPONENTS	3.34	20	23
G 144	CLEAN STAINLESS STEEL PARTS	3.31	20	21
G 147	DECONTAMINATE PROPELLANT TRANSFER SYSTEM (PTS) HOSES	3.22	17	18
G 140	CLEAN METAL FILTER ELEMENTS	3.03	15	18
G 161	MAINTAIN PNEUMATIC TEST STANDS OR ADAPTERS	3.03	7	11
G 160	MAINTAIN FILTER TEST SETS	3.00	20	20
G 180	SAMPLE CLEAN ROOM AIR	2.94	15	18
G 162	MAINTAIN ULTRASONIC CLEANERS	2.91	17	20
G 170	PERFORM POST OPERATION PROCEDURES ON PNEUMATIC TEST STANDS	2.84	7	11
G 159	MAINTAIN DRYING OVENS	2.81	20	21
G 171	PERFORM ULTRAVIOLET INSPECTIONS OF COMPONENTS	2.81	20	23
G 165	MONITOR TEMPERATURE OR HUMIDITY OF CLEAN ROOMS	2.78	17	20
G 131	CLEAN ALUMINUM PARTS	2.72	20	23
G 181	SAMPLE FLUIDS AFTER CLEANING	2.37	7	12
G 137	CLEAN GLASSWARE	2.34	12	14
G 139	CLEAN HYDRAULIC SAMPLING KITS	2.31	7	12
G 138	CLEAN HYDRAULIC FILTERS	2.28	17	18
G 134	CLEAN CARBON STEEL OR CARBON STEEL ALLOY PARTS	2.09	15	15
G 141	CLEAN NONMETALLIC PARTS	1.97	7	11
G 145	CLEAN TRANSDUCERS OR GAUGES	1.97	10	12
G 182	CLEAN PNEUMATIC SAMPLING BOTTLES	1.91	7	12
G 132	CLEAN BRASS PARTS	1.84	17	18

PO1 3ABR9531 MATCHED W/OCCUPATIONAL SURVEY DATA

PCPAT2

O TSK	TITLES	ING EMP #0*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
G 133	CLEAN BRONZE PARTS	1.72	17	17
G 135	CLEAN COPPER PARTS	1.72	15	14
G 136	ELECTROPLATED PARTS	1.69	7	9
G 143	CLEAN SHORTING PLUGS	1.53	2	9
G 130	CLEAN AIR-CONDITIONING FILTERS	1.50	12	17

064	BLOCK VII3. OPERATION AND MAINTENANCE OF THE MAMS GASEOUS NITROGEN SYSTEM (7 MRS)			

E 104	SERVICE NITROGEN GAS CYLINDERS	5.66	71	70
E 82	CONNECT OR DISCONNECT TH-3 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	4.25	71	74
E 66	CHARGE CONDITIONING TRAILER NITROGEN CYLINDERS	4.00	76	74

065	BLOCK VII4. DEWAR BLENDING (7 MRS)			

H 196	FILL ENVIRONMENTAL CONTROL UNITS (ECU) WITH LIQUID AIR	6.59	39	47
H 268	WEIGH ECU'S	6.34	34	44
H 8	PREPARE ENVIRONMENTAL CONTROL UNIT (BACKPACK) FILL DOCUMENT FORMS (AFTO FORM 457)	6.31	17	24
H 215	PERFORM BEFORE USE INSPECTIONS OF ECU'S	5.81	24	35
H 261	SAMPLE DEWAR LIQUID AIR USING OXYGEN ANALYZERS	5.56	32	42
H 185	BLEND AIR	5.41	34	41
H 12	PREPARE LIQUID AIR STORAGE TANK ACTIVE STORAGE STATUS FORMS (AFTO FORM 460)	4.72	17	24
H 216	PERFORM DEWAR UNIT PERIODIC INSPECTIONS	3.66		
H 198	DRAIN DEWAR UNITS	3.13	34	39
H 266	VISUALLY INSPECT DEWAR BOTTLES	2.66	34	39
H 188	CLEAN DEWAR UNITS	2.31	32	39

066	BLOCK VII5. OPERATION AND MAINTENANCE OF FUEL AND OXIDIZER DECONTAMINATION EQUIPMENT (10 MRS)			

I 269	CHECK VAPOR CONCENTRATION OF FUEL OXIDIZER IN MISSILES USING PORTABLE VAPOR DETECTORS	4.91	41	50
L 377	NEUTRALIZE OXIDIZER SPILLS ON HARDSTANDS	4.72	61	65
L 375	NEUTRALIZE FUEL SPILLS ON HARDSTANDS	4.66	51	53
L 376	NEUTRALIZE FUEL SPILLS ON SOIL	4.03	51	53
L 378	NEUTRALIZE OXIDIZER SPILLS ON SOIL	4.03	54	56
I 271	CONNECT OR DISCONNECT HOSES BETWEEN MISSILES AND NITROGEN HEATERS OR DECONTAMINATION EQUIPMENT	3.19	49	56
C 40	DECONTAMINATE HOLDING TANK OR TRANSPORT TRAILERS	3.09	41	55
I 278	POSITION VALVES OF DECONTAMINATION EQUIPMENT	2.84	37	44

POL JARD00031 DAIWATER W/OCCUPATIONAL SURVEY DATA

FCPAT2

	INS EMP	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
0 136	2.75	44	52
71763	2.72	49	56
I 273 CONNECT OR DISCONNECT NITROGEN HEATER HOSES	2.69	51	56
I 274 MONITOR PRESSURE AND TEMPERATURE GAUGES DURING MISSILE DECONTAMINATION	2.41	41	48
I 270 CONNECT OR DISCONNECT DECONTAMINATION EQUIPMENT BETWEEN HOLDING TANK AND TRANSPORT TRAILERS	2.31	49	55
I 277 POSITION MISSILES IN DECONTAMINATION BAY	2.19	41	53
I 272 CONNECT OR DISCONNECT NITROGEN ELECTRIC CABLES	2.03	46	56
I 276 POSITION HOLDING TANK OR TRANSPORT TRAILERS IN DECONTAMINATION BAY			
I 275 MONITOR TEMPERATURE AND PRESSURE DURING HOLDING TANK OR TRANSPORT TRAILER DECONTAMINATION			

067 BLOCK VII6. OPERATION AND MAINTENANCE OF THE BIO-PAK 45
(4 HRS)

068 BLOCK VII7. OPERATION AND MAINTENANCE OF THE SCOTT AIR
PACK (4 HRS)

M 189 CLEAN MINE SAFETY APPLIANCE (MSA) OR SCOTT AIR PACKS	3.22	22	32
M 218 PERFORM AFTER USE INSPECTIONS OF MSA'S OR SCOTT AIR PACKS	3.19	10	23
M 200 FUNCTIONALLY TEST MSA'S OR SCOTT AIR PACKS	2.97	10	24
M 254 REMOVE OR REPLACE MSA SPEAKING DIAPHRAGMS	2.09	5	14
M 248 REMOVE OR REPLACE MSA HIGH PRESSURE HOSES	2.06	5	12
M 297 REMOVE OR REPLACE MSA FACE PIECES	2.03	7	15
M 251 REMOVE OR REPLACE MSA PRESSURE GAUGES	1.97	7	14
M 253 REMOVE OR REPLACE MSA SAFETY VALVES	1.97	7	15
M 250 REMOVE OR REPLACE MSA OR SCOTT AIR PACK BREATHING TUBES	1.94	5	14
M 252 REMOVE OR REPLACE MSA REGULATORS	1.94	7	14
M 249 REMOVE OR REPLACE MSA OR SCOTT AIR PACK BACK PLATE HARNESSES	1.84	5	14
M 246 REMOVE OR REPLACE MSA AIR CYLINDERS	1.78	7	15
M 255 REMOVE OR REPLACE MSA WAIST STRAPS	1.69	5	14

Due to the low percent members performing and low TE ratings, this criterion objective should be reevaluated.

POI JABR9531 MATCHED N/OCCUPATIONAL SURVEY DATA

FC69012

1ST ENLISTMENT
(1-48 MOS)

1ST JOB
(1-24 MOS)

TMS
EMP
ed*

D TSK TITLES

TASKS NOT REFERENCED

C	36	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN HOLDING TANK TRAILERS AND TUBE BANK TRAILERS	5.69	78	79	
C	37	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN TRANSPORT TRAILERS AND TUBE BANK TRAILERS	5.09	63	65	
E	84	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN FIXED FACILITY SYSTEMS	4.01	76	77	
H	202	INSPECT AND CLEAN ROCKET FUEL HANDLER SUITS (SD-1663)	8.59	51	55	
C	46	ISOLATE TRANSPORT TRAILER LIQUID SYSTEM MALFUNCTIONS	4.53	39	41	
C	45	ISOLATE HOLDING TANK TRAILER LIQUID OR NITROGEN SYSTEM MALFUNCTIONS	4.28	61	59	
C	31	PERFORM CONTROL TRAILER ELECTRICAL CHECKOUT PROCEDURES	4.22	49	56	
C	350	CLEAN HAND TOOLS	4.22	80	85	
C	65	TRANSFER PROPELLANT BETWEEN TRANSPORT TRAILERS	4.19	29	38	
C	74	PERFORM CONDITIONING TRAILER ELECTRICAL CHECKOUTS USING ELECTRICAL TEST SETS	4.09	46	53	
C	71	ISOLATE CONDITIONING TRAILER MECHANICAL SYSTEM MALFUNCTIONS	4.00	44	50	
C	61	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND R-16 OR R-17 TRANSPORT TRAILERS	3.97	32	42	
C	42	DECONTAMINATE ROCKET FUEL HANDLER UNITS (SD-1663)	3.87	32	41	
C	43	CONNECT OR DISCONNECT MS-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	3.84	49	58	
C	25	PERFORM STAGE II MISSILE TANK EMERGENCY FUEL UNLOADING	3.81	20	26	
C	36	PERFORMING STAGE I OR II MISSILE TANK EMERGENCY OXIDIZER UNLOADING	3.81	22	24	
C	351	CLEAN WORK AREAS	3.75	83	86	
C	329	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	3.72	66	65	
H	193	DISASSEMBLE OR REASSEMBLE RPHCO HELMETS	3.66	34	41	
C	47	ISOLATE TRANSPORT TRAILER NITROGEN SYSTEM MALFUNCTIONS	3.59	41	42	
L	384	PERFORM STAGE I OR II OXIDIZER HOLDING TRAILERS EMERGENCY UNLOADING	3.53	24	26	
L	383	PERFORM STAGE I OR II FUEL HOLDING TANK TRAILER EMERGENCY UNLOADING	3.50	15	18	
H	223	REMOVE OR REPLACE BOOT OR GLOVE STIFFENERS	3.44	27	35	
L	373	DISPOSE OF SILO OXIDIZERS	3.44	32	36	
L	372	DISPOSE OF SILO FUEL	3.41	29	35	
H	352	DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO LIQUID PROPELLANTS	3.25	46	55	
A	11	PREPARE ISSUE/TURN IN REQUEST FORMS (AF FORM 2005)	3.22	24	26	
J	316	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	3.19	51	56	
C	62	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND FUEL OR OXIDIZER HOLDING TANK TRAILERS	3.09	41	48	
H	198	FUNCTIONALLY TEST CHEMEX UNITS	3.09	20	30	
J	283	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	3.09	54	59	
J	310	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM RUPTURE DISCS	3.09	54	59	

These tasks are rated above average in 11 and 12 percent of the formal training.

These tasks are rated above average in 11 and 12 percent of the formal training.

PO1 3AR00531 MATCHED W/OCCUPATIONAL SURVEY DATA

FCCPMT2

D TSK	TITLES	TMS EMP 90*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
K 358	OPERATE GENERAL PURPOSE VEHICLES	3.06	54	61
F 126	SERVICE FIXED FACILITY NITROGEN STORAGE TANKS	3.00	34	39
G 192	VISUALLY INSPECT COMPONENTS TURNED IN TO CLEAN ROOMS	3.00	17	18
M 213	PATCH ROCKET FUEL HANDLER SUITS (SD-3663)	3.00	29	36
J 393	VISUALLY INSPECT PTS OR NITROGEN SYSTEM RUPTURE DISCS	2.97	66	65
A 27	RESEARCH TECHNICAL PUBLICATIONS	2.94	-	-
K 368	PERFORM MISSILE LEAK TESTS	2.87	50	65
M 187	CLEAN CHEMEX OXYGEN GENERATING BREATHING APPARATUS	2.84	29	36
J 329	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	2.84	63	65
K 353	DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO PROPELLANT VAPORS	2.84	46	55
F 114	ISOLATE FIXED FUEL ELECTRICAL SYSTEM MALFUNCTIONS	2.72	32	41
G 163	MEASURE COMPONENTS USING MICROMETERS	2.69	10	12
M 366	PERFORM OPERATOR MAINTENANCE OF GENERAL PURPOSE VEHICLES	2.69	44	56
B 29	ISOLATE CONTROL TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	2.62	24	35
G 167	OPERATE ELECTRO BALANCES	2.59	5	9
D 70	ISOLATE CONDITIONING TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	2.56	34	42
M 217	PERFORM PERIODIC INSPECTIONS OF CHEMEX UNITS	2.56	22	32
A 19	PREPARE SERVICEABLE TAG-MATERIAL FORMS (DD FORM 1574)	2.53	27	32
F 117	ISOLATE FIXED OXIDIZER ELECTRICAL SYSTEM MALFUNCTIONS	2.53	32	41
J 292	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HAND REGULATORS	2.53	44	53
C 44	ISOLATE HOLDING TANK TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	2.47	34	41
J 205	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	2.44	41	50
J 288	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	2.44	46	56
J 301	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	2.41	49	55
J 318	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	2.41	41	50
C 50	PERFORM HOLDING TANK TRAILER PNEUMATIC SYSTEM CHECKOUT PROCEDURES	2.37	32	38
D 69	FLUSH CONDITIONING TRAILER GLYCOL SYSTEMS WITH CORROSION REMOVING COMPOUNDS	2.37	46	48
J 326	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HAND REGULATORS	2.37	49	55
J 328	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	2.37	44	52
J 333	VISUALLY INSPECT PTS OR NITROGEN SYSTEM O RINGS	2.31	49	55
M 227	REMOVE OR REPLACE CHEMEX CANNISTERS	2.22	27	32
G 168	OPERATE MICROSCOPES FOR PARTICLE COUNTS	2.19	15	17
J 344	VISUALLY INSPECT PTS OR NITROGEN SYSTEM SOLENOID VALVES	2.19	49	56
K 354	INSTALL OR REMOVE INTERSTAG WORK PLATFORMS	2.19	-	-
M 231	REMOVE OR REPLACE CHEMEX UNIT FACE PIECES	2.16	12	23
M 232	REMOVE OR REPLACE CHEMEX UNIT LENSES	2.16	7	18
J 311	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM SOLENOID VALVES	2.12	41	50
A 24	PREPARE UNSERVICEABLE (CONDENSED) LABEL-MATERIAL FORMS (DD FORM 1577-1)	2.09	29	32

POI 1ABR49531 MATCHED W/OCCUPATIONAL SURVEY DATA

FCP#72

O TSK	TITLES	ING EMP #0*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
M 194	DISPOSE OF USED CHEMOX CANNISTERS	2.09	24	33
J 323	VISUALLY INSPECT PTS OR NITROGEN SYSTEM FLOW METERS	2.09	54	59
M 203	INSPECT RFHCO VANS	2.03	24	29
M 225	REMOVE OR REPLACE CHEMOX BREATHING TUBES OR TUBE COUPLINGS	2.03	5	15
J 305	VISUALLY INSPECT PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	2.03	56	61
A 25	PREPARE UNSERVICEABLE (REPARABLE) TAG MATERIAL FORMS (DD FORM 1377-2)	1.94	20	23
K 349	CLEAN GENERAL PURPOSE VEHICLES	1.94	23	76
M 224	REMOVE OR REPLACE CHEMOX BREATHING BAGS OR DIAPHRAGMS	1.88	7	15
J 306	VISUALLY INSPECT PTS OR NITROGEN SYSTEM TEMPERATURE SWITCHES	1.88	51	55
A 14	PREPARE NON-NSM REQUISITION (MANUAL) FORMS (DD FORM 1340-6)	1.84	5	3
M 224	REMOVE OR REPLACE CHEMOX BREATHING VALVES	1.84	5	14
M 228	REMOVE OR REPLACE CHEMOX PRESSURE RELIEF VALVES	1.84	5	14
J 301	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	1.78	46	52
A 10	PREPARE EQUIPMENT DISCREPANCIES FORMS (AF FORM 2421)	1.72	7	7
M 230	REMOVE OR REPLACE CHEMOX TIMERS	1.72	10	20
M 229	REMOVE OR REPLACE CHEMOX SHOULDER HARNESES OR WAIST STRAPS	1.69	5	17
J 327	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HEATER ELEMENTS	1.69	51	58
J 313	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE SWITCHES	1.53	44	48
M 222	PREPARE DEWAR UNITS FOR SHIPMENT	1.47	20	23
M 421	PREPARE DEWAR BOTTLES FOR STORAGE	1.37	24	29
J 307	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	1.37	44	47
K 361	OPERATE VACUUM PUMPS	1.37	7	7
M 213	PRINT OR MARK DEWAR UNITS	1.34	20	29
A 20	PREPARE SIGNIFICANT HISTORICAL DATA FORMS (AFTO FORM 95)	1.22	7	9
J 282	REMOVE OR REPLACE PTS OR NITROGEN FLOW METERS	1.22	41	53
J 293	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HEATER ELEMENTS	1.22	32	44
J 281	REMOVE OR REPLACE HEAT EXCHANGERS ON TRAILERS OF PROPELLANT TRANSFER SYSTEMS (PTS) OR NITROGEN SYSTEMS	1.09	34	41
M 262	SERVICE RFHCO VANS	1.06	7	7
A 5	MAINTAIN PHEL EQUIPMENT LISTINGS	.91	5	6
A 26	RESEARCH SUPPLY PUBLICATIONS	.78	7	7
A 21	PREPARE SUPPLY CONTROL LOG FORMS (AF FORM 2413)	.53	7	7
A 17	PREPARE REQUEST FOR PURCHASE FORMS (AF FORM 9)	.44	2	2
A 6	MAINTAIN SUPPLY ACCOUNTS	.41	5	3
A 2	MAINTAIN DAILY DUEOUT LISTINGS	.28	5	3
A 23	PREPARE TRAINING REQUEST AND COMPLETION NOTIFICATION FORMS (AF FORM 2426)	.28	7	5
A 1	MAINTAIN AF AEROSPACE FUELS TEST REPORT FORMS (SAAMA FORM 2158)	.22	0	0
A 3	MAINTAIN DAILY PRODUCTION REPORTS	.22	5	3
A 5	MAINTAIN MASTER IDENTIFICATION NUMBER LISTINGS	.13	7	8

APPENDIX C

995X1 THE EMPHASIS & RATINGS-- DESCENDING ORDER

995X1 TASKS ARE PRESENTED BELOW IN DESCENDING ORDER OF FIRST-TERM TRAINING EMPHASIS RATINGS.

TRAINING EMPHASIS RATINGS WERE COLLECTED FROM 32 EXPERIENCED CAREER LADDER NCO'S WHO WORKED IN A VARIETY OF COMMANDS AND LOCATIONS. THESE NCO'S RATED JOB INVENTORY TASKS ON A TEN-POINT SCALE RANGING FROM ZERO (NO TRAINING REQUIRED) TO NINE (EXTREMELY HEAVY TRAINING RECOMMENDED). RATERS HAD HIGH AGREEMENT AS TO WHICH TASKS REQUIRE SOME FORM OF STRUCTURED TRAINING DURING THE FIRST EMBLISHMENT. IN THIS CAREER LADDER THE AVERAGE TRAINING EMPHASIS RATING WAS 3.5, WITH A STANDARD DEVIATION OF 1.5. TASKS RATED ABOVE 5.0 ARE HIGH IN TRAINING EMPHASIS AND SHOULD BE CONSIDERED FOR TECH SCHOOL TRAINING. TASKS RATED BELOW AVERAGE GENERALLY ARE NOT TRAINED IN FORMAL TECH SCHOOLS. IN DECIDING TO INCLUDE TASKS IN TRAINING, CONSIDER THE FACT THAT TRAINING EMPHASIS RATINGS CAPTURE ELEMENTS OF TASK CRITICALITY, AS WELL AS PERCENT OF FIRST TERMERS PERFORMING AND THE RELATIVE DIFFICULTY OF TASKS.

VECTOR TYPE CODES:

- (1) = % TIME SPENT BY ALL MEMBERS
- (N) = % MEMBERS PERFORMING
- (P) = TASK FACTOR
- (D) = DICHOTOMOUS SET
- (B) = % TIME SPENT BY MEMBERS PERFORMING
- (-) = PROGRAM GENERATED VECTOR

NO	TYPE VECTOR	MEAN	SD	DESCRIPTION
1	-	SEQUEN		SEQUENTIAL NUMBERING
2	D	TNOEMP	3.52	1.52 AFSC 995X1 TRAINING EMPHASIS RATINGS

445X1 THE EMPHASIS & RATINGS-- DESCENDING ORDER

FCMAY3

445X1 TASKS ARE PRESENTED BELOW IN DESCENDING ORDER OF FIRST-TERM TRAINING EMPHASIS RATINGS.

TRAINING EMPHASIS RATINGS WERE COLLECTED FROM 32 EXPERIENCED CAREER LADDER NCO'S WHO WORKED IN A VARIETY OF COMMANDS AND LOCATIONS. THESE NCO'S RATED JOB INVENTORY TASKS ON A TEN-POINT SCALE RANGING FROM ZERO (NO TRAINING REQUIRED) TO NINE (EXTREMELY HEAVY TRAINING RECOMMENDED). RATERS HAD HIGH AGREEMENT AS TO WHICH TASKS REQUIRE SOME FORM OF STRUCTURED TRAINING DURING THE FIRST ENLISTMENT. IN THIS CAREER LADDER THE AVERAGE TRAINING EMPHASIS RATING WAS 3.5, WITH A STANDARD DEVIATION OF 1.5. TASKS RATED ABOVE 5.0 ARE HIGH IN TRAINING EMPHASIS AND SHOULD BE CONSIDERED FOR TECH SCHOOL TRAINING. TASKS RATED BELOW AVERAGE GENERALLY ARE NOT TRAINED IN FORMAL TECH SCHOOLS. IN DECIDING TO INCLUDE TASKS IN TRAINING, CONSIDER THE FACT THAT TRAINING EMPHASIS RATINGS CAPTURE ELEMENTS OF TASK CRITICALITY, AS WELL AS PERCENT OF FIRST TERMERS PERFORMING AND THE RELATIVE DIFFICULTY OF TASKS.

PERCENTAGE OF FIRST JOB OR FIRST ENLISTMENT PERSONNEL FROM THE 1975 STUDY PERFORMING EACH TASK

D TSK	TITLES	SEQ NUM	TNS EMP	#	40*	1ST ENLISTMENT	
						1ST JOB (1-24 MOS)	(1-48 MOS)
F 108	CONNECT OR DISCONNECT FILL OR DRAIN HOSES	1	8.06			68	68
F 112	CONNECT OR DISCONNECT VENT HOSES	2	7.66			68	68
E 107	CONNECT OR DISCONNECT DEAD LEG DRAIN HOSES	3	7.62			66	68
J 280	DON OR TAKE OFF RFMCO SUITS	4	7.44			78	80
M 267	VISUALLY INSPECT RFMCO'S	5	7.31			46	52
C 64	TRANSFER PROPELLANT BETWEEN MISSILES AND HOLDING TANK TRAILERS	6	7.03			68	67
H 263	SET UP RFMCO'S FOR DOWNING	7	6.94			46	53
F 121	POSITION VALVES TO LOAD OR UNLOAD MISSILE PROPELLANT TANKS	8	6.81			55	60
K 359	OPERATE RADIO TYPE MAINTENANCE NETS	9	6.78			68	76
F 111	CONNECT OR DISCONNECT TANK PRESSURIZATION TOOLS	10	6.75			-	-
H 184	ASSIST PERSONNEL IN DOWNING OR TAKING OFF ROCKET FUEL HANDLER CLOTHING OUTFITS (RFMCO)	11	6.62			51	55
H 196	FILL ENVIRONMENTAL CONTROL UNITS (ECU) WITH LIQUID AIR	12	6.50			39	47
F 122	POSITION VALVES TO PRESSURE DRAIN FACILITY PIPING	13	6.56			56	59
E 106	CHANGE FIXED FACILITY LIQUID OR NITROGEN FILTER ELEMENTS	14	6.50			63	70
F 119	POSITION VALVES FOR PRESSURIZING MISSILE TANKS	15	6.47			58	63
F 127	TAKE PROPELLANT SAMPLES FROM TOP SIDE FILTERS	16	6.34			-	-
M 268	WEIGH ECU'S	17	6.34			34	44
A 8	PREPARE ENVIRONMENTAL CONTROL UNIT (BACKPACK) FILL DOCUMENT FORMS (AFTO FORM 457)	18	6.31			17	27
F 124	PRESSURIZE MISSILE TANKS USING TANK PRESSURIZATION TOOLS	19	6.25			-	-
K 367	RAISE OR LOWER SILO WORK PLATFORMS	20	6.25			63	65
C 42	FINAL ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	21	6.19			54	59
E 94	OPERATE PORTABLE VAPOR BURNERS	22	6.19			-	-
E 93	OPERATE NITROGEN RECHARGERS	23	6.17			-	-
F 110	CONNECT OR DISCONNECT NITROGEN SATURATION TOOLS	24	6.06			54	59
C 43	FINE LEVEL HOLDING TANK TRAILERS	25	6.03			68	68
C 53	POSITION HOLDING TANK TRAILER VALVES TO CONDITION PROPELLANTS	26	6.03			63	64
F 120	POSITION VALVES FOR PURGING MISSILE TANKS	27	6.03			56	61

A task designated with a "-" is new to the 1980 TE inventory, and no equivalent task in the 1975 inventory could be found. The "-" means no percent members performing data could be provided.

30311 THE EMPHASIS IS PLACING- DESCENDING ORDER

PC9933

D TSM	TITLES	SEQ NUM	TNG EMP #	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
C 59	ADJUST STAGE I OR II HOLDING TANK TRAILER PROPELLANT LOADS	28	5.00	51	56
C 38	CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND FACILITY INTERFACES	29	5.97	68	68
F 123	POSITION VALVES TO PRESSURE TEST FACILITY PIPING	30	5.97	56	59
C 39	CONNECT OR DISCONNECT PROPELLANT TRANSFER HOSES BETWEEN HOLDING TANK TRAILERS AND TRANSPORT TRAILERS	31	5.91	63	65
C 60	SAMPLE TRANSPORTERS	32	5.87	-	-
D 73	OPERATE CONDITIONING TRAILER CONTROLS AND MONITOR INDICATORS TO CONDITION PROPELLANTS	33	5.87	56	59
K 382	OPERATE WIRE TYPE MAINTENANCE NETS	34	5.87	76	82
E 92	MONITOR PRESSURE AND TEMPERATURE DURING OPERATION OF RECHARGERS	35	5.84	78	79
E 99	POSITION NITROGEN RECHARGER VALVES TO PRESSURIZE SYSTEMS WITH GASEOUS NITROGEN	36	5.81	60	65
H 215	PERFORM BEFORE USE INSPECTIONS OF ECU'S	37	5.81	24	35
H 265	TRAIN PERSONNEL ON USE AND OPERATION OF PROTECTIVE EQUIPMENT	38	5.81	20	32
K 370	TEST FOR PROPELLANT VAPORS USING PORTABLE VAPOR DETECTORS	39	5.78	56	61
E 105	SERVICE TUBE BANK TRAILERS	40	5.72	66	62
H 219	PERFORM 5 FILL INSPECTIONS OF ECU'S	41	5.72	29	39
A 13	PREPARE MAINTENANCE DATA COLLECTION RECORD FORMS (AFTO FORM 399)	42	5.69	34	32
C 36	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN HOLDING TANK TRAILERS AND TUBE BANK TRAILERS	43	5.69	78	79
E 104	SERVICE NITROGEN GAS CYLINDERS	44	5.66	71	70
H 190	CLEAN WPCO'S	45	5.66	51	53
K 355	MONITOR VAPOR DETECTOR ANNUNCIATOR PANEL FOR PRESENCE OF PROPELLANT VAPORS	46	5.66	54	61
E 100	POSITION VALVES TO SERVICE NITROGEN RECHARGERS WITH LIQUID NITROGEN	47	5.59	76	77
F 128	PURGE FIXED FACILITY PIPING AND FILTERS	48	5.56	59	61
H 261	SAMPLE DEWAR LIQUID AIR USING OXYGEN ANALYZERS	49	5.56	32	42

445X1 TNG EMPHASIS & RATINGS- DESCENDING ORDER

FCPAT3

D TSK	TITLES	SEQ NUM	TNG EMP #0*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
E 91	COOL DOWN CRYOGENIC PUMPS	50	5.53	71	73
C 35	CHANGE HOLDING TANK TRAILER NITROGEN SYSTEM FILTER ELEMENTS	51	5.50	61	65
F 120	VISUALLY INSPECT FIXED SYSTEM PIPING OR MISSILES FOR LEAKS	52	5.50	56	59
H 185	BLEND AIR	53	5.41	34	41
H 264	TEST BEHCO HELMET COMMUNICATION SYSTEMS	54	5.41	41	50
B 28	CONNECT OR DISCONNECT CONTROL TRAILER ELECTRICAL CABLES	55	5.37	62	66
J 304	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CAPS	56	5.37	56	61
K 363	OPERATIONALLY INSPECT SAFETY EQUIPMENT	57	5.37	71	76
F 113	INSPECT TANK PRESSURIZATION IDOLS	58	5.34	-	-
C 63	TRANSFER PROPELLANT BETWEEN HOLDING TANK TRAILERS AND R-16 OR R-17 TRANSPORT TRAILERS	59	5.25	32	42
A 16	PREPARE REPAIRABLE ITEM PROCESSING TAG FORMS (AFTO FORM 350)	60	5.19	41	47
L 97	PERFORM TUBE BANK TRAILER PREOPERATIONAL INSPECTIONS	61	5.19	44	47
K 348	CHECK GROUND CABLE RESISTANCE ON MOBILE AEROSPACE GROUND EQUIPMENT (AGE)	62	5.16	-	-
C 37	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN TRANSPORT TRAILERS AND TUBE BANK TRAILERS	63	5.09	63	65
D 76	PERFORM CONDITIONING TRAILER PRE OR POST OPERATION PROCEDURES	64	5.09	59	61
H 206	LEAK TEST BEHCO'S	65	5.09	39	44
C 82	CONNECT OR DISCONNECT BURNER ASSEMBLIES TO FACILITY PIPING	66	5.06	73	74
J 289	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM FILTERS	67	5.06	59	64
H 9	PREPARE ENVIRONMENTAL CONTROL UNIT 120-/150-DAY FILL INSPECTION FORMS (AFTO FORM 456)	68	5.03	10	18
E 101	PRESSURIZE NITROGEN RECHARGER TANKS	69	5.03	80	83
B 32	PERFORM CONTROL TRAILER PRE OR POST OPERATION PROCEDURES	70	5.00	51	58
C 49	PERFORM HOLDING TANK TRAILER PERIODIC INSPECTIONS	71	5.00	-	-
C 56	PRESSURE TEST HOLDING TANK TRAILER LIQUID OR NITROGEN HOSES AND PIPING	72	5.00	49	55
E 81	CHECK CRYOGENIC PUMP OIL LEVELS	73	5.00	76	77

ASST. THE EMPHASIS & RATINGS - DESCENDING ORDER

FCPRIJ

D TSK	TITLES	SCQ NUM	TMS EMP pts	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
F 109	CONNECT OR DISCONNECT LEVEL II PROPELLANT TRANSFER SYSTEM (PTS) ELECTRICAL CABLES	74	5.00	59	64
C 41	DISCRETE DRAIN HOLDING TANK TRAILER PIPING	75	4.94	39	48
D 75	PERFORM CONDITIONING TRAILER PERIODIC INSPECTIONS	76	4.94	-	-
E 88	CONNECT OR DISCONNECT PORTABLE VAPOR BURNER PROPANE HOSES	77	4.94	-	-
E 90	CONNECT OR DISCONNECT TUBE BANK HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	78	4.94	71	70
B 33	PERFORM CONTROL TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	79	4.91	46	56
I 269	CHECK VAPOR CONCENTRATION OF FUEL OXIDIZER IN MISSILES USING PORTABLE VAPOR DETECTORS	80	4.91	41	50
D 77	PERFORM CONDITIONING TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	81	4.87	56	59
C 52	PERFORM TRANSPORT TRAILER PERIODIC INSPECTIONS	82	4.81	-	-
E 84	CONNECT OR DISCONNECT NITROGEN HOSES BETWEEN FIXED FACILITY SYSTEMS	83	4.81	76	77
D 68	FILL OR DRAIN CONDITIONING TRAILER GLYCOL SYSTEMS	84	4.78	61	65
D 87	CONNECT OR DISCONNECT CONDITIONING TRAILER ELECTRICAL CABLES	85	4.78	68	68
E 98	PERFORM VAPOR BURNER AFTER USE INSPECTIONS	86	4.78	68	73
K 369	TEST FOR LEAKS USING ULTRASONIC LEAK DETECTORS	87	4.75	46	55
A 12	PREPARE LIQUID AIR STORAGE TANK ACTIVE STORAGE STATUS FORMS (AFTO FORM 460)	88	4.72	17	24
L 377	NEUTRALIZE OXIDIZER SPILLS ON HARDSTANDS	89	4.72	61	65
E 87	CONNECT OR DISCONNECT PORTABLE VAPOR BURNER ELECTRICAL CABLES	90	4.69	73	74
C 51	PERFORM HOLDING TANK TRAILER PRE OR POST TRANSPORTATION INSPECTIONS	91	4.66	56	64
M 204	INSPECT ROCKET PROPELLANT FUEL HANDLER GAS MASKS	92	4.66	29	39
J 308	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PROPELLANT PUMPS	93	4.66	51	58
L 378	NEUTRALIZE FUEL SPILLS ON HARDSTANDS	94	4.66	51	53
L 379	PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS IN SILOS	95	4.66	27	33

445X1 INS EMPHASIS & RATINGS- DESCENDING ORDER

FCPRTJ

D TSK	TITLES	SEQ NUM	TNR EMP #	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
L 381	PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS IN SILOS	96	4.66	29	38
E 95	PERFORM NITROGEN RECHARGER PRE OR POST OPERATIONAL INSPECTIONS	97	4.62	71	73
E 96	PERFORM NITROGEN RECHARGER SERVICE INSPECTIONS	98	4.62	71	70
L 380	PERFORM EMERGENCY PROCEDURES FOR FUEL LEAKS OR SPILLS ON HARDSTANDS	99	4.62	32	38
C 58	RESIDUAL DRAIN HOLDING TANK TRAILER PIPING	100	4.59	51	56
H 202	INSPECT AND CLEAN ROCKET FUEL HANDLER SUITS (SD-3663)	101	4.59	51	55
J 287	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CONSOLEALS	102	4.59	44	53
B 34	POSITION CONTROL TRAILERS ON COMPLEXES	103	4.56	51	59
H 183	APPLY BUTYL TO SCUFFED AREAS	104	4.56	37	42
H 212	PATCH RFMCO TORSO ASSEMBLIES	105	4.56	29	36
L 382	PERFORM EMERGENCY PROCEDURES FOR OXIDIZER LEAKS OR SPILLS ON HARDSTANDS	106	4.56	37	42
C 49	ISOLATE TRANSPORT TRAILER LIQUID SYSTEM MALFUNCTIONS	107	4.53	39	41
E 85	CONNECT OR DISCONNECT NITROGEN RECHARGER ELECTRICAL CABLES	108	4.50	78	77
F 115	ISOLATE FIXED FUEL PROPELLANT SYSTEM MALFUNCTIONS	109	4.44	44	52
C 55	POSITION TRANSPORT TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	110	4.38	51	55
J 284	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BALL VALVES	111	4.38	51	56
C 57	PURGE HOLDING TANK TRAILER PIPING AND FILTERS	112	4.34	56	59
J 337	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CAPS	113	4.34	54	59
L 374	NEUTRALIZE FUEL SPILLS IN SILOS	114	4.34	51	53
K 356	OPERATE BLAST DOORS TO ENTER OR EXIT MISSILE SITES	115	4.31	61	70
C 45	ISOLATE HOLDING TANK TRAILER LIQUID OR NITROGEN SYSTEM MALFUNCTIONS	116	4.28	61	59
H 209	OPERATE NITROGEN REGULATING TEST PANELS TO INFLATE SUITS	117	4.20	29	36
K 360	OPERATE SILO OR PORTAL ELEVATORS	118	4.20	68	76
E 89	CONNECT OR DISCONNECT TH-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	119	4.25	71	74
B 31	PERFORM CONTROL TRAILER ELECTRICAL CHECKOUT PROCEDURES	120	4.22	49	56
K 350	CLEAN HAND TOOLS	121	4.22	80	85
C 54	POSITION HOLDING TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	122	4.10	51	55

00000 THE EMPHASIS & RATINGS- DESCENDING ORDER

SECRET

D TSM	TITLES	SEQ NUM	TMF EMP #	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
C 65	TRANSFER PROPELLANT BETWEEN TRANSPORT TRAILERS	123	4.10	29	38
F 118	ISOLATE FIXED OXIDIZER PROPELLANT SYSTEM MALFUNCTIONS	124	4.10	49	55
J 290	REMOVE OR REPLACE PIS OR NITROGEN SYSTEM GASKETS	125	4.10	61	64
D 74	PERFORM CONDITIONING TRAILER ELECTRICAL CHECKOUTS USING ELECTRICAL TEST SETS	126	4.09	46	53
D 79	PURGE CONDITIONING TRAILER GLYCOL SYSTEMS	127	4.06	46	48
B 176	REMOVE OR REPLACE PARTS OF PIS QUICK DISCONNECT COUPLINGS	128	4.03	17	20
L 376	NEUTRALIZE FUEL SPILLS ON SOIL	129	4.03	51	53
L 378	NEUTRALIZE OXIDIZER SPILLS ON SOIL	130	4.03	54	56
D 66	CHARME CONDITIONING TRAILER NITROGEN CYLINDERS	131	4.00	76	74
D 71	ISOLATE CONDITIONING TRAILER MECHANICAL SYSTEM MALFUNCTIONS	132	4.00	44	50
C 48	PERFORM HOLDING TANK TRAILER ELECTRICAL CHECKOUT PROCEDURES	133	3.97	46	50
C 61	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND R-16 OR R-17 TRANSPORT TRAILERS	134	3.97	32	42
H 220	PREPARE BUTYL ADHESIVES	135	3.97	32	39
B 30	OPERATE AND MONITOR CONTROL TRAILER CONTROL PANELS DURING PROPELLANT TRANSFER OPERATIONS	136	3.91	29	41
E 86	CONNECT OR DISCONNECT PORTABLE SHOWER WATER HOSES	137	3.87	76	77
H 192	DECONTAMINATE ROCKET FUEL HANDLER UNITS (SD-3663)	138	3.87	32	41
H 218	PERFORM 120-DAY INSPECTIONS OF ECU'S	139	3.87	24	33
E 83	CONNECT OR DISCONNECT MS-1 SYSTEM HOSES FOR PRESSURIZATION OF NITROGEN SYSTEMS	140	3.84	49	58
G 146	DECONTAMINATE PROPELLANT PUMPS	141	3.84	12	14
K 70	REMOVE CORROSION FROM METAL SURFACES	142	3.84	83	86
I 199	FUNCTIONALLY TEST ECU'S USING ECU TESTERS	143	3.81	22	32
L 389	PERFORM STAGE II MISSILE TANK EMERGENCY FUEL UNLOADING	144	3.81	15	18
L 386	PERFORM STAGE I OR II MISSILE TANK EMERGENCY OXIDIZER UNLOADING	145	3.81	24	26
D 78	POSITION CONDITIONING TRAILERS ON FUEL OR OXIDIZER HARDSTANDS	146	3.78	59	61
F 116	ISOLATE FIXED NITROGEN SYSTEM MALFUNCTIONS	147	3.75	49	56

44541 THE EMPHASIS & RATINGS- DESCENDING ORDER

PCPATE

U TSM	TITLES	SLD NUM	TMR EMP #	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
K 351	CLEAN WORK AREAS	148	3.75	83	86
E 103	SAMPLE TUBE BANKS	149	3.72	-	-
J 329	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	150	3.72	66	65
A 15	PREPARE PORTABLE VAPOR DETECTOR OPERATION DOCUMENT FORMS (AFTO FORM 458)	151	3.69	15	24
J 295	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HOSES OR DISCONNECTS	152	3.69	39	48
A 7	POST CHARGES TO TECHNICAL ORDERS	153	3.66	-	-
H 193	DISASSEMBLE OR REASSEMBLE RFMCO HELMETS	154	3.66	34	41
H 216	PERFORM DENAR UNIT PERIODIC INSPECTIONS	155	3.66	22	32
G 150	DISASSEMBLE OR REASSEMBLE PTS BALL VALVES	156	3.62	24	21
G 153	DISASSEMBLE OR REASSEMBLE PTS QUICK DISCONNECT COUPLINGS	157	3.62	22	20
G 158	MAINTAIN CLEANLINESS OF CLEAN ROOMS	158	3.62	17	20
C 47	ISOLATE TRANSPORT TRAILER NITROGEN SYSTEM MALFUNCTIONS	159	3.59	41	42
E 102	SAMPLE NITROGEN RECHARGERS	160	3.56	-	-
G 154	DISASSEMBLE OR REASSEMBLE PTS SAFETY VALVES	161	3.56	20	18
J 286	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CHECK VALVES	162	3.56	54	61
K 371	TRANSPORT CONTAMINATED COMPONENTS BETWEEN MISSILE SITES AND MAINTENANCE FACILITIES	163	3.56	49	58
L 384	PERFORM STAGE I OR II OXIDIZER HOLDING TRAILERS EMERGENCY UNLOADING	164	3.53	29	32
G 198	DECONTAMINATE VALVES, COUPLINGS, OR REGULATORS	165	3.50	22	21
H 186	CHANGE RADIO TRANSMITTER BATTERIES	166	3.50	37	42
H 191	CLEAN ROCKET PROPELLANT FUEL HANDLER GAS MASKS	167	3.50	27	35
H 207	LUBRICATE RFMCO ZIPPERS OR SEALS	168	3.50	37	42
J 315	REMOVE OR REPLACE TANK PRESSURIZATION TOOL COMPONENTS	169	3.50	-	-
L 383	PERFORM STAGE I OR II FUEL HOLDING TANK TRAILER EMERGENCY UNLOADING	170	3.50	24	26
G 151	DISASSEMBLE OR REASSEMBLE PTS CHECK VALVES	171	3.47	22	20
G 164	MIX CLEANING SOLUTIONS	172	3.47	15	18
G 169	PACBARE OR SEAL COMPONENTS AFTER CLEANING	173	3.47	17	20
H 223	REMOVE OR REPLACE BOOT OR GLOVE STIFFENERS	174	3.44	27	35
L 373	DISPOSE OF SILO OXIDIZERS	175	3.44	32	36

Tasks rated below 3.5 in training
emphasis need to be evaluated by
training personnel for their
training relevance

4454 THE EMPHASIS 6. RATINGS- DESCENDING ORDER

FC0473

D TSK	TITLES	S/O NUM	TMB EMP	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
6 157	FUNCTIONALLY TEST REASSEMBLED COMPONENTS USING PNEUMATIC TEST STANDS	176	3.41	17	17
J 291	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM GLOBE VALVES	177	3.41	59	64
L 372	DISPOSE OF SILO FUEL	178	3.41	29	35
J 336	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES	179	3.37	44	52
6 129	CERTIFY CLEANLINESS OF COMPONENTS	180	3.24	20	23
J 300	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM O RINGS	181	3.34	54	58
J 309	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	182	3.34	51	56
6 194	CLEAN STAINLESS STEEL PARTS	183	3.31	20	21
K 157	OPERATE DIRECT LINE TELEPHONES TO CONTROL CENTERS	184	3.31	61	70
G 177	REMOVE OR REPLACE PARTS OF PTS SAFETY VALVES	185	3.28	20	18
M 208	MAINTAIN NITROGEN REGULATING TEST PANELS	186	3.28	27	35
J 321	VISUALLY INSPECT PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	187	3.25	59	62
J 342	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PROPELLANT PUMPS	188	3.25	61	64
K 352	DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO LIQUID PROPELLANTS	189	3.25	54	59
A 11	PREPARE ISSUE/TURN IN REQUEST FORMS (AF FORM 2005)	190	3.22	24	26
G 147	DECONTAMINATE PROPELLANT TRANSFER SYSTEM (PTS) HOSES	191	3.22	17	18
G 155	DISASSEMBLE OR REASSEMBLE PTS SELF SEAL COUPLINGS	192	3.22	12	17
G 156	DISASSEMBLE OR REASSEMBLE PTS Y VALVES	193	3.22	15	18
M 189	CLEAN WIRE SAFETY APPLIANCE (MSA) OR SCOTT AIR PACKS	194	3.22	22	32
M 233	REMOVE OR REPLACE COMMUNICATION HARNESES	195	3.22	10	21
D 80	REMOVE OR REPLACE CONDITIONING TRAILER NITROGEN CYLINDERS	196	3.19	66	70
G 149	DISASSEMBLE OR REASSEMBLE PTS ANGLE VALVES	197	3.19	17	20
G 152	DISASSEMBLE OR REASSEMBLE PTS FLUID PRESSURE REGULATORS	198	3.19	10	15
G 172	REMOVE OR REPLACE PARTS OF BALL VALVES	199	3.34	17	20
M 214	PERFORM AFTER USE INSPECTIONS OF MSA'S OR SCOTT AIR PACKS	200	3.19	10	23
I 271	CONNECT OR DISCONNECT HOSES BETWEEN MISSILES AND NITROGEN HEATERS OR DECONTAMINATION EQUIPMENT	201	3.19	49	56
J 279	ADJUST NITROGEN RECHARGER DRIVE BELTS	202	3.14	-	-
J 305	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES	203	3.14	49	55

995XA THE EMPHASIS & RATINGS- DESCENDING ORDER

FCPRV3

D TSK	TITLES	SFO NUM	TMR EMP	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
J 316	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	204	3.10	51	56
G 176	REMOVE OR REPLACE PARTS OF PTS SELF-SEAL COUPLINGS	205	3.16	12	17
K 347	APPLY CORROSION PREVENTATIVE OR PAINT TO METAL SURFACES	206	3.16	78	82
M 195	DRAIN DECAR UNITS	207	3.13	34	39
C 40	DECONTAMINATE HOLDING TANK OR TRANSPORT TRAILERS	208	3.09	41	55
C 62	TRANSFER PROPELLANT BETWEEN COMMERCIAL AND FUEL OR OXIDIZER HOLDING TANK TRAILERS	209	3.09	41	48
M 198	FUNCTIONALLY TEST CMEOX UNITS	210	3.09	20	30
J 283	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BACK PRESSURE REGULATORS	211	3.09	54	59
J 310	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM RUPTURE DISCS	212	3.09	54	59
G 166	OPERATE CALIBRATION KITS TO CALIBRATE GAUGES	213	3.06	12	15
A 358	OPERATE GENERAL PURPOSE VEHICLES	214	3.06	54	61
G 140	CLEAN METAL FILTER ELEMENTS	215	3.03	15	18
G 161	MAINTAIN PNEUMATIC TEST STANDS OR ADAPTERS	216	3.03	7	11
G 173	REMOVE OR REPLACE PARTS OF PTS ANGLE VALVES	217	3.03	17	20
G 174	REMOVE OR REPLACE PARTS OF PTS CHECK VALVES	218	3.03	17	20
J 319	VISUALLY INSPECT PTS OR NITROGEN SYSTEM CHECK VALVES	219	3.03	63	67
J 322	VISUALLY INSPECT PTS OR NITROGEN SYSTEM FILTERS	220	3.03	59	62
F 126	SERVICE FIXED FACILITY NITROGEN STORAGE TANKS	221	3.00	54	59
G 160	MAINTAIN FILTER TEST SETS	222	3.00	20	20
G 179	REMOVE OR REPLACE PARTS OF PTS Y VALVES	223	3.00	15	18
G 182	VISUALLY INSPECT COMPONENTS TURNED IN TO CLEAN ROOMS	224	3.00	17	18
M 210	PACK REFCO FOR SHIPMENT	225	3.00	34	39
M 213	PATCH ROCKET FUEL HANDLER SUITS (SD-3663)	226	3.00	29	36
M 200	FUNCTIONALLY TEST MSA'S OR SCOTT AIR PACKS	227	2.97	10	24
M 236	REMOVE OR REPLACE ECU COMPONENTS	228	2.97	24	33
M 244	REMOVE OR REPLACE HELMET SEALS	229	2.97	12	24
J 343	VISUALLY INSPECT PTS OR NITROGEN SYSTEM RUPTURE DISCS	230	2.97	66	65
A 27	RESEARCH TECHNICAL PUBLICATIONS	231	2.94	-	-
G 180	SAMPLE CLEAN ROOM AIR	232	2.94	15	18
M 259	REMOVE OR REPLACE ROLL DOWN CUFFS	233	2.94	22	27

Q	TITLE	SEQ NUM	TMB EMP #	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
J 298	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	234	2.94	37	42
A 22	PREPARE TECHNICAL ORDER SYSTEM PUBLICATION IMPROVEMENT REPORT AND REPLY FORMS (AFTO FORM 22)	235	2.91	10	12
G 162	MAINTAIN ULTRASONIC CLEANERS	236	2.91	17	20
J 297	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS	237	2.87	37	47
K 365	PERFORM MISSILE LEAK TESTS	238	2.87	50	58
G 170	PERFORM POST OPERATION PROCEDURES ON PNEUMATIC TEST STANDS	239	2.84	7	11
G 175	REMOVE OR REPLACE PARTS OF PIS FLUID PRESSURE REGULATORS	240	2.84	10	15
M 187	CLEAN CHEMEX OXYGEN GENERATING BREATHING APPARATUS	241	2.84	29	36
M 205	ISOLATE DEWAR UNIT MALFUNCTIONS	242	2.84	7	20
I 278	POSITION VALVES OF DECONTAMINATION EQUIPMENT	243	2.84	37	44
J 320	VISUALLY INSPECT PTS OR NITROGEN SYSTEM COMOSEALS	244	2.84	46	53
J 334	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	245	2.84	63	65
J 338	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE CONTROL VALVES	246	2.84	59	62
K 353	DECONTAMINATE EXTERIOR SURFACES OF MOBILE EQUIPMENT EXPOSED TO PROPELLANT VAPORS	247	2.84	46	55
G 159	MAINTAIN DRYING OVENS	248	2.81	20	21
G 171	PERFORM ULTRAVIOLET INSPECTIONS OF COMPONENTS	249	2.81	20	23
M 245	REMOVE OR REPLACE HELMET VISORS	250	2.81	17	29
G 165	MONITOR TEMPERATURE OR HUMIDITY OF CLEAN ROOMS	251	2.78	17	20
I 273	CONNECT OR DISCONNECT NITROGEN HEATER HOSES	252	2.75	44	52
J 294	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	253	2.75	34	42
J 304	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE INDICATORS	254	2.75	51	58
J 317	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BALL VALVES	255	2.75	59	62
F 114	ISOLATE FIXED FUEL ELECTRICAL SYSTEM MALFUNCTIONS	256	2.72	32	41
G 131	CLEAN ALUMINUM PARTS	257	2.72	20	23
N 239	REMOVE OR REPLACE FUEL HANDLER GAS MASK CANISTERS	258	2.72	17	17

445X1 TNG EMPHASIS & RATINGS- DESCENDING ORDER

FCPRYS

O TSM	TITLES	SEQ NUM	TNG EMP #	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
I 274	MONITOR PRESSURE AND TEMPERATURE GAUGES DURING MISSILE DECONTAMINATION	259	2.72	49	56
J 339	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE INDICATORS	260	2.72	56	61
G 163	MEASURE COMPONENTS USING MICROMETERS	261	2.69	10	12
H 258	REMOVE OR REPLACE RHCO MICROPHONES OR COMMUNICATION COMPONENTS	262	2.69	22	32
I 270	CONNECT OR DISCONNECT DECONTAMINATION EQUIPMENT BETWEEN HOLDING TANK AND TRANSPORT TRAILERS	263	2.69	51	56
K 366	PERFORM OPERATOR MAINTENANCE OF GENERAL PURPOSE VEHICLES	264	2.69	44	56
M 268	VISUALLY INSPECT DEWAR BOTTLES	265	2.66	34	39
J 324	VISUALLY INSPECT PTS OR NITROGEN SYSTEM GASKETS	266	2.66	59	62
B 29	ISOLATE CONTROL TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	267	2.62	24	35
D 72	LUBRICATE CONDITIONING TRAILER GLYCOL PUMPS OR CONDENSER FANS AND MOTORS	268	2.62	49	52
G 167	OPERATE ELECTRO BALANCES	269	2.59		9
J 325	VISUALLY INSPECT PTS OR NITROGEN SYSTEM GLOBE VALVES	270	2.59	5	59
J 330	VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID INDICATORS	271	2.59	51	56
D 70	ISOLATE CONDITIONING TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	272	2.56	34	42
H 217	PERFORM PERIODIC INSPECTIONS OF CHEMOX UNITS	273	2.56	22	32
H 260	REMOVE OR REPLACE VENTILATION DUCT HANGERS	274	2.56	15	26
J 303	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED BUTTERFLY VALVES	275	2.56	39	47
A 19	PREPARE SERVICEABLE TAG-MATERIAL FORMS (DD FORM 1574)	276	2.53	27	32
F 117	ISOLATE FIXED OXIDIZER ELECTRICAL SYSTEM MALFUNCTIONS	277	2.53	32	41
H 242	REMOVE OR REPLACE FUEL HANDLER GAS WASH FACE PIECES	278	2.53	12	23
J 292	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HAND REGULATORS	279	2.53	44	53
J 296	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM LIQUID INDICATORS	280	2.53	39	48
J 332	VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL INDICATORS	281	2.53	46	53
C 44	ISOLATE HOLDING TANK TRAILER ELECTRICAL SYSTEM MALFUNCTIONS	282	2.47	34	41

995X1 THE EMPHASIS & RATINGS- DESCENDING ORDER

FCPRT's

D TSM	TITLES	SEQ NUM	TNG EMP #D*	1ST JOB (1-24 MOS)	1ST EXLISTMENT (1-48 MOS)
M 243	REMOVE OR REPLACE FUEL HANDLER GAS MASK SPEAKING DIAPHRAGMS	283	2.47	10	21
J 285	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	284	2.44	41	50
J 288	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM CRYOGENIC PUMPS	285	2.44	46	56
J 331	VISUALLY INSPECT PTS OR NITROGEN SYSTEM LIQUID LEVEL CONTROLLERS	286	2.44	44	52
J 340	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PRESSURE SAFETY VALVES	287	2.44	56	61
M 201	GLUE SEAMS OF RPHCO'S	288	2.41	32	35
M 237	REMOVE OR REPLACE FUEL GAS MASK LENSES	289	2.41	7	18
M 239	REMOVE OR REPLACE FUEL HANDLER GAS MASK BREATHING TUBES	290	2.41	15	23
I 277	POSITION MISSILES IN DECONTAMINATION BAY	291	2.41	41	48
J 301	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PIPING OR FITTINGS	292	2.41	49	55
J 318	VISUALLY INSPECT PTS OR NITROGEN SYSTEM BLANKET MANIFOLD TUBING	293	2.41	41	50
C 50	PERFORM HOLDING TANK TRAILER PNEUMATIC SYSTEM CHECKOUT PROCEDURES	294	2.37	32	38
D 69	FLUSH CONDITIONING TRAILER GLYCOL SYSTEMS WITH CORROSION REMOVING COMPOUNDS	295	2.37	46	48
G 181	SAMPLE FLUIDS AFTER CLEANING	296	2.37	7	12
J 326	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HAND REGULATORS	297	2.37	49	55
J 328	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HIGH PRESSURE STEEL RINGS	298	2.37	44	52
J 335	VISUALLY INSPECT PTS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	299	2.37	46	53
G 137	CLEAN GLASSWARE	300	2.34	12	14
G 139	CLEAN HYDRAULIC SAMPLING KITS	301	2.31	7	12
M 188	CLEAN DENAR UNITS	302	2.31	32	38
I 272	CONNECT OR DISCONNECT NITROGEN ELECTRIC CABLES	303	2.31	49	55
J 333	VISUALLY INSPECT PTS OR NITROGEN SYSTEM O RINGS	304	2.31	49	55
G 138	CLEAN HYDRAULIC FILTERS	305	2.28	17	18
K 364	PERFORM AGE WORK CARD INSPECTIONS	306	2.28	49	55

445X1 ING EMPHASIS & RATINGS- DESCENDING ORDER

FCPRT3

Q TSK	TITLES	SEQ NUM	TNG EMP #	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
H 197	FILL OXYGEN OR NITROGEN BULK STORAGE TANKS	307	2-22	27	36
H 227	REMOVE OR REPLACE CHEMOX CANNISTERS	308	2-22	27	32
H 241	REMOVE OR REPLACE FUEL HANDLER GAS MASK EXHALATION VALVES	309	2-22	12	20
J 299	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM NEEDLE VALVES	310	2-22	44	52
G 168	OPERATE MICROSCOPES FOR PARTICLE COUNTS	311	2-19	15	17
I 276	POSITION HOLDING TANK OR TRANSPORT TRAILERS IN DECONTAMINATION BAY	312	2-19	41	53
J 344	VISUALLY INSPECT PTS OR NITROGEN SYSTEM SOLENOID VALVES	313	2-19	49	56
K 354	INSTALL OR REMOVE INTERSTAG WORK PLATFORMS	314	2-19	-	-
M 231	REMOVE OR REPLACE CHEMOX UNIT FACE PIECES	315	2-16	10	21
M 232	REMOVE OR REPLACE CHEMOX UNIT LENSES	316	2-16	10	20
H 240	REMOVE OR REPLACE FUEL HANDLER GAS MASK CLAMPS OR COUPLINGS	317	2-16	12	23
J 311	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM SOLENOID VALVES	318	2-12	41	50
A 24	PREPARE UNSERVICEABLE (CONDEMNED) LABEL-MATERIAL FORMS (DD FORM 1577-1)	319	2-09	29	32
G 134	CLEAN CARBON STEEL OR CARBON STEEL ALLOY PARTS	320	2-09	15	15
H 194	DISPOSE OF USED CHEMOX CANNISTERS	321	2-09	24	33
M 254	REMOVE OR REPLACE MSA SPEAKING DIAPHRAGMS	322	2-09	5	14
J 323	VISUALLY INSPECT PTS OR NITROGEN SYSTEM FLOW METERS	323	2-09	54	59
H 248	REMOVE OR REPLACE MSA HIGH PRESSURE HOSES	324	2-06	5	12
M 203	INSPECT REMO VANS	325	2-03	24	29
M 225	REMOVE OR REPLACE CHEMOX BREATHING TUBES OR TUBE COUPLINGS	326	2-03	5	15
M 247	REMOVE OR REPLACE MSA FACE PIECES	327	2-03	7	15
I 275	MONITOR TEMPERATURE AND PRESSURE DURING HOLDING TANK OR TRANSPORT TRAILER DECONTAMINATION	328	2-03	46	56
J 345	VISUALLY INSPECT PTS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	329	2-03	56	61
J 315	VISUALLY INSPECT HEAT EXCHANGERS ON TRAILERS OF PTS OR NITROGEN SYSTEMS	330	2-00	51	56
G 141	CLEAN NONMETALLIC PARTS	331	1-97	7	11
G 145	CLEAN TRANSDUCERS OR GAUGES	332	1-97	10	12
M 251	REMOVE OR REPLACE MSA PRESSURE GAUGES	333	1-97	7	14

44821) 100 REPAIRS & RAYMONS- DESCENDING ORDER

PCP113

D TSM	TITLES	SEQ NUM	TNG EMP #D*	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
M 253	REMOVE OR REPLACE MSA SAFETY VALVES	334	1.97	7	15
A 25	PREPARE UNSERVICEABLE (INEPARABLE) TAB MATERIEL FORMS (90 FORM 1577-2)	335	1.94	20	23
M 235	REMOVE OR REPLACE DENAR UNIT VALVES, GAUGES, FITTINGS, OR HOSES	336	1.94	27	32
M 250	REMOVE OR REPLACE MSA OR SCOTT AIR PACK BREATHING TUBES	337	1.94	5	14
M 252	REMOVE OR REPLACE MSA REGULATORS	338	1.94	7	14
M 349	CLEAN GENERAL PURPOSE VEHICLES	339	1.94	73	76
G 142	CLEAN PNEUMATIC SAMPLING BOTTLES	340	1.91	7	12
M 224	REMOVE OR REPLACE CHEMOX BREATHING BARS OR DIAPHRAGMS	341	1.88	5	14
J 346	VISUALLY INSPECT PIS OR NITROGEN SYSTEM, TEMPERATURE SWITCHES	342	1.89	51	55
A 14	PREPARE NON-RSH REQUISITION (MANUAL) FORMS (DD FORM 1348-6)	343	1.84	5	3
G 132	CLEAN BRASS PARTS	344	1.84	17	18
M 226	REMOVE OR REPLACE CHEMOX BREATHING VALVES	345	1.84	5	14
M 228	REMOVE OR REPLACE CHEMOX PRESSURE RELIEF VALVES	346	1.84	5	14
M 249	REMOVE OR REPLACE MSA OR SCOTT AIR PACK BACK PLATE HARNESSES	347	1.84	5	14
J 302	REMOVE OR REPLACE PIS OR NITROGEN SYSTEM PNEUMATIC OPERATED ANGLE VALVES	348	1.84	44	50
J 312	REMOVE OR REPLACE PIS OR NITROGEN SYSTEM TEMPERATURE INDICATORS	349	1.84	51	56
M 246	REMOVE OR REPLACE MSA AIR CYLINDERS	350	1.78	7	15
J 341	VISUALLY INSPECT PIS OR NITROGEN SYSTEM PRESSURE SWITCHES	351	1.78	46	52
A 10	PREPARE EQUIPMENT DISCREPANCIES FORMS (AF FORM 2421)	352	1.72	-	-
A 18	PREPARE SAC CE MANUAL ICDM RPIE IMPROVEMENT REPORT FORMS (SAC FORM 89)	353	1.72	0	0
G 133	CLEAN BRONZE PARTS	354	1.72	17	17
G 135	CLEAN COPPER PARTS	355	1.72	15	14
M 230	REMOVE OR REPLACE CHEMOX TIMERS	356	1.72	10	20
G 136	CLEAN ELECTROPLATED PARTS	357	1.69	7	9

445X1 INS EMPHASIS & RATINGS - DESCENDING ORDER

FCPRT3

D TSK	TITLES	SEQ NUM	TMS EMP #	1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
M 229	REMOVE OR REPLACE CHEMEX SHOULDER HARNESSES OR WAIST STRAPS	358	1.09	5	17
M 255	REMOVE OR REPLACE MSA WAIST STRAPS	359	1.09	5	14
J 327	VISUALLY INSPECT PTS OR NITROGEN SYSTEM HEATER ELEMENTS	360	1.09	51	58
G 143	CLEAN SHORTING PLUGS	361	1.53	2	9
M 256	REMOVE OR REPLACE OXYGEN OR NITROGEN BULK STORAGE TANK FILTERS	362	1.53	10	18
J 313	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM TEMPERATURE SWITCHES	363	1.53	44	48
G 130	CLEAN AIR-CONDITIONING FILTERS	364	1.50	12	17
M 222	PREPARE DEMAR UNITS FOR SHIPMENT	365	1.57	20	23
M 257	REMOVE OR REPLACE RFMCO EMERGENCY CONNECTOR FITTINGS	366	1.41	5	20
M 221	PREPARE DEMAR BOTTLES FOR STORAGE	367	1.37	24	29
J 307	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM PRESSURE SWITCHES	368	1.37	44	47
K 361	OPERATE VACUUM PUMPS	369	1.37	-	-
M 211	PAINT OR MARK DEMAR UNITS	370	1.34	20	29
M 234	REMOVE OR REPLACE DEMAR BRAKE ASSEMBLIES, TIRES, CASTERS, OR WHEELS	371	1.25	14	24
A 20	PREPARE SIGNIFICANT HISTORICAL DATA FORMS (AFTO FORM 95)	372	1.22	7	9
J 282	REMOVE OR REPLACE PTS OR NITROGEN FLOW METERS	373	1.22	41	53
J 293	REMOVE OR REPLACE PTS OR NITROGEN SYSTEM HEATER ELEMENTS	374	1.22	32	44
J 281	REMOVE OR REPLACE HEAT EXCHANGERS ON TRAILERS OF PROPELLANT TRANSFER SYSTEMS (PTS) OR NITROGEN SYSTEMS	375	1.09	34	41
M 262	SERVICE RFMCO VANS	376	1.06	-	-
A 5	MAINTAIN PHEL EQUIPMENT LISTINGS	377	.91	5	6
A 26	RESEARCH SUPPLY PUBLICATIONS	378	.78	-	-
A 21	PREPARE SUPPLY CONTROL LOG FORMS (AF FORM 2413)	379	.53	-	-
A 17	PREPARE REQUEST FOR PURCHASE FORMS (AF FORM 9)	380	.44	2	2
A 6	MAINTAIN SUPPLY ACCOUNTS	381	.41	5	3
A 2	MAINTAIN DAILY DUEOUT LISTINGS	382	.28	5	3
A 23	PREPARE TRAINING REQUEST AND COMPLETION NOTIFICATION FORMS (AF FORM 2426)	383	.28	7	5

9937A THE EMPHASIS & RATINGS- DESCENDING ORDER

FCPAY3

D 134	TITLES	SEC NUM	TME		1ST JOB (1-24 MOS)	1ST ENLISTMENT (1-48 MOS)
			EMP	*0*		
A	1 MAINTAIN AF AEROSPACE FUELS TEST REPORT FORMS (SAAMA FORM 2150)	388	.22		0	0
A	3 MAINTAIN DAILY PRODUCTION REPORTS	385	.22		5	3
A	4 MAINTAIN MASTER IDENTIFICATION NUMBER LISTINGS	386	.13		7	8

